Digitized by the Internet Archive
in 2011 with funding from
LYRASIS Members and Sloan Foundation

http://www.archive.org/details/mayorsmessage18971balt

Baltimore. Mayor.

—THE—

MAYOR'S MESSAGE

—AND—

Reports of the City Officers

—MADE TO THE—

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1897.

BALTIMORE:
THOS. J. SHEUBROOKS, CITY PRINTER,
N. E. Cor. Charles and Lombard Sts.

1898.

LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK, MD.

Maryland
JS
584
.A1B3
1897
pt.1

INDEX.

PAGE.

Board of Commissioners of Public Schools 1217
Board of Fire Commissioners.. 449
Board of Visitors of the Jail of Baltimore City..... 409
City Collector 329
City Commissioner..... 639
City Comptroller..... 203
City Librarian..... 1065
Commissioners for Opening Streets..... 607
Directory of City Officers... 1455
Department of Finance..... 163
Department of Street Cleaning..... 841
Examiner of Titles..... 801
General Superintendent of Lamps and Inspector and Sealer of Gas Meters..... 309
Harbor Board 763
Health Department..... 1101
Inspector of Buildings. 277
Inspector of Gas and Illuminating Oils. 615
Judges of the Appeal Tax Court..... 623
Mayor's Message..... 5
Public Park Commission..... 897
Register of the City..... 101
Sewerage Commission..... 401
Trustees of the Poor..... 355
Water Department..... 961
Superintendent of Public Buildings..... 441

267381

MAYOR'S MESSAGE.

MAYOR'S OFFICE,

BALTIMORE, February 14, 1898.

To the Honorable the Members of the First and Second Branches of the City Council, in Convention Assembled.

GENTLEMEN:

Among the duties imposed upon the Mayor by law is to report annually to the Council during the first five days of its session the general state of the city, with an accurate account of the money received and expended, to be published for the information of its citizens.

It must at once be manifest to your Honorable Body, that in this, my first message, after having been in office scarcely two months, the information in connection with the operations of the city government during the year 1897 must be entirely derived from the reports of the heads of the several departments. To them I respectfully direct your attention. The most important of them are necessarily those of the Register and Comptroller, giving as they do an itemized statement of all receipts and disbursements. At the end of this message, under the head of Statement No. 1, I have

given, as required, an accurate account of all money received and expended during the year 1897, as furnished by the Comptroller, a copy of which I send herewith. A careful examination of the report of the City Register, which is also made a part of this message, will show that, although my predecessor on page No. 6 of his message of January 25, 1897, reported that on the 31st of December, 1896, there was a balance or surplus in the city treasury of $85,000; the 31st of December, 1897, finds us with a deficiency or net floating indebtedness of $230,402.45, not including the cost of entertaining the Ancient and Honorable Artillery of Boston, $3,700, and the cost of the School Board, $5,800, in all $9,500; for which the city will doubtless be held responsible by the courts.

The deficiency is due to the fact that the Mayor and City Council in making the levy for 1897, overestimated the receipts from taxes. On page 6 of the Comptroller's Report, it will be found that the receipts from taxes and other sources were $408,777.56 below the estimate, though $115,240.73 of this amount was in excess of appropriations actually made, thus reducing the deficiency in receipts to $293,536.83. This overestimating of receipts dictated, doubtless, by an earnest desire to keep down the tax rate, is (in my opinion), the fruitful source of all our floating debts.

I desire to caution the Committee on Ways and Means against making a similar mistake for 1898. Neither private or public corporations can be successfully conducted when the accounts show an annual deficit. It was to be hoped that the necessity of funding in the year 1897 a floating indebtedness of nearly $1,400,000 would have been such a warning to the

municipal administration that it would not have left for the same year to its successor another deficiency of nearly $250,000.

Your Honorable Body in estimating for the levy of 1898, based as it will be on the receipts and expenditures for the year, must provide for the payment of this indebtedness or fully realize that by leaving it as a legacy to a succeeding administration it becomes the foundation for another funding loan.

The following tables, taken from the Report of the City Register, gives the financial condition of the city on the 31st of December, 1897:

FUNDED AND GUARANTEED DEBT.

The funded and guaranteed debt of the city on December 31st, 1897, was $36,170,576.95, and on December, 31st, 1896, it was $33,502,018,43, an increase of $2,668,558.52, and is thus explained:

Issue of Public Improvement Three-and-One-Half Per Cent. 1940 Loan during the year 1897	$534,400 00
Issue of Four Million Three-and-One-Half Per Cent. 1945 Loan during the year 1897	685,400 00
Issue of Funding Three-and-One-Half Per Cent. 1936 Loan during the year 1897	1,453,300 00
	$2,673,100 00

Less.		
Amount of Park Improvement 1895 Loan redeemed	$3,000 00	
Amount of Consolidated 6 per cent. 1890 Loan redeemed	610 98	
Amount of Consolidated 6 per cent. 1893 Loan redeemed	300 00	
Amount of One Million 6 per cent. 1886 Loan redeemed	630 50	
		$4,541 48
Thus showing the net increase to have been		$2,668,558 52
By reference to the statement of the funded and guaranteed debt, it will be observed that the total debt on December 31st, 1897, was		36,170,576 95
And the amount of productive and available assets was		18,520,669 47
Leaving the net debt at		$17,649,907 48
Add to this the amount of authorized but not yet issued stock in the treasury :		
Public Improvement 3½ per cent. 1940 Loan	$715,600 00	
Four Million 3½ per cent. 1945 Loan	2,579,500 00	
Conduit 3½ per cent. 1922 Loan	1,000,000 00	
		4,295,100 00
And the net debt will be		$21,945,007 48

In the year 1900 there will mature the following loans:		
City Hall, six per cent. stock	$1,000,000 00	
Funding six per cent. Stock	800,000 00	
Jones' Falls six per cent. Stock	2,500,000 00	
Western Maryland Third Mortgage Guarantee Bonds	875,000 00	
		$5,175,000 00
And in 1902 there will mature—		
Western Maryland six per cent. 1902 Loan	$1,000,000 00	
City Hall six per cent. 1902 Loan	500,000 00	
		1,500,000 00
Total amount redeemable in 1900 and 1902		$6,675,000 00
The total face value of the General Sinking Fund set apart for the redemption of the above-named loans and other loans not specially provided for amounts to	$1,906,255 80	
Estimating the increase in the Sinking Fund at	1,000,000 00	

There will be for the purpose of redemption of said loans at maturity the amount of.....		$2,906,255 80
Leaving a deficiency of..... caused by the failure of the City Council for many years, up to 1891, to levy a tax for this sinking fund as required by law.		$3,768,744 20
Besides the above-named loans the following, which are redeemable from the General Sinking Fund, will mature:		
Harford Run four per cent. Loan, due November 3, 1904	$350,000 00	
Funding five per cent. Loan, due July 1, 1916	1,000,000 00	
McDonogh Extension five per cent. Loan due September 1, 1916.....	280,000 00	
Harford Run four per cent. Loan, due January 1, 1920.....	250,000 00	
Patterson Park four per cent. Loan, due October 1, 1920.....	200,000 00	

Paving four per cent. Loan, due November 1, 1920	$500,000 00	
Consolidated three-and-a-half per cent. Loans, due July 1, 1930	5,000,000 00	
Unredeemed and overdue stock	17,373 50	
		$7,597,373 50

Name of Loan.	Rate.	When Redeemable.	Amount.
City Hall	6 per cent.	March 15, 1900	$1,000,000 00
Jones' Falls	6 per cent.	April 9, 1900	800,000 00
Jones' Falls	5 per cent.	April 9, 1900	957,000 00
Jones' Falls	3.65 per cent.	April 9, 1900	483,000 00
Jones' Falls	3½ per cent.	April 9, 1900	160,000 00
Jones' Falls	3 per cent.	April 9, 1900	100,000 00
Funding	6 per cent.	At pleasure after July 1, 1900	800,000 00
Western Md. R. R.	6 per cent.	January 1, 1902	1,000,000 00
City Hall	6 per cent.	March 7, 1902	500,000 00
Harford Run	4 per cent.	November 3, 1904	350,000 00
Water	5 per cent.	At pleasure after July 1, 1916	5,000,000 00
Funding	5 per cent.	At pleasure after July 1, 1916	1,000,000 00
McDonogh Ext	5 per cent.	September 1, 1916	280,000 00
Harford Run	4 per cent.	At pleasure after January 1, 1920	250,000 00
Patterson Park	4 per cent.	October 1, 1920	200,000 00
Paving	4 per cent.	At pleasure after November 1, 1920	500,000 00

Water	4	per cent.	At pleasure after November 1, 1922	500,000 00
Western Md. R. R.	4	per cent.	July 1, 1925	684,000 00
Water	4	per cent.	At pleasure after November 1, 1926	1,000,000 00
Western Md. R. R.	3½	per cent.	January 1, 1927	1,704,000 00
Internal Improvement	3½	per cent.	July 1, 1928	4,850,000 00
Consolidated	3½	per cent.	At pleasure after July 1, 1936	5,000,000 00
Funding	3½	per cent.	July 1, 1936	1,453,300 00
Public Improvement	3½	per cent.	January 1, 1940	5,284,400 00
Four Million	3½	per cent.	March 1, 1945	1,420,500 00
1860 Stock	6	per cent.	Unredeemed, no interest allowed	482 00
Water, 1875	6	per cent.	Unredeemed, no interest allowed	540 00
Consolidated, 1896	6	per cent.	Unredeemed, no interest allowed	12,351 50
Five Million, 1890	6	per cent.	Unredeemed, no interest allowed	2,003 45
Exempt, 1893	6	per cent.	Unredeemed, no interest allowed	500 00
Water, 1894	5	per cent.	Unredeemed, no interest allowed	3,500 00
			Amount carried forward.	$35,295,576 95

Amount brought forward.....		$35,295,576 95
GUARANTEED DEBT.		
Western Maryland Railroad 1900 Six Per Cent Third Mortgage Bonds.....		875,000 00
Total Funded and Guaranteed Debt...		$36,170,576 95
From which deduct:		
Water Loans of 1916, 1922, 1926 and part of Four Million 1945 Loan ($698,000), the interest on which is paid by revenue from water rents.....	$7,198,000 00	
Patterson Park Extension Loan, on which interest is paid by Park Board..	200,000 00	
Part of Four Million 1945 Loan, on which interest is paid by Park Board..	722,500 00	
Commissioners of Finance on Western Maryland Railroad Six Per Cent. 1902 Loan.....	1,000,000 00	
Commissioners of Finance on Western Maryland Railroad Six Per Cent. Third Mortgage Bonds..	875,000 00	
Western Maryland Railroad Company on Western Maryland Three-and-one-half Per Cent. 1927 Loan.....	1,704,000 00	

Western Maryland Railroad Company on Western Maryland Railroad Four Per Cent. 1925 Loan	$684,000 00	
Overdue stock, no interest allowed	19,376 95	
		$12,402,876 95
Leaving the amount on which interest is paid by taxation at		$23,767,700 00

Viz.:

$3,100,000 00	interest at	6	Per Cent.
2,237,000 00	" "	5	" "
1,100,000 00	" "	4	" "
16,747,700 00	" "	3½	" "
483,000 00	" at	3.60	" "
100,000 00	" "	3	" "
$23,767,700 00			

ASSETS OF THE CITY.

Productive.

Mortgage on Western Maryland Railroad Company	$2,388,000 00
Value of sinking funds	4,376,398 48
Value of water works	10,500,000 00
550 shares Baltimore and Reisterstown Turnpike Stock	2,062 50
137 shares Baltimore and Frederick Turnpike Stock	456 66

Real estate, annual rental		$10,225 11	
Market property, annual rental		45,000 00	
Wharf property, annual rental		20,000 00	
		$75,225 11	
Capitalized at six per cent			$1,253,751 83
			$18,520,669 47

Unproductive.

Accrued interest to Jan. 1, 1887, on Western Maryland Railroad 2d Mortgage Bonds, redeemed		$333,000 00	
Interest on Western Maryland Railroad 4 percent. 1925 Loan, from July 1, 1895		68,400 00	
Interest on Western Maryland Railroad 3½ per cent. 1927 Loan, from July 1, 1895		138,450 00	
Fourth Mortgage on Western Md. R. R. Co.	$1,000,000 00		
Accrued interest to date	1,530,000 00		
		$2,530,000 00	
Third mortgage on Western Md. R. R. Co	$875,000 00		

Accrued interest to date	$1,417,500 00	
		$2,292,500 00
10,000 Shares Valley Railroad Company of Virginia, cost.....		$1,000,000 00
4,000 shares Western Maryland Railroad stock, cost.....		200,000 00
130 shares Baltimore and Havre de Grace Turnpike stock		3,000 00
625 shares Baltimore and York Turnpike stock..		3,125 00
Besides other property, such as:		
Court houses, Record Office, City Hall, jail, police stations, fire engine houses and apparatus, school houses, almshouse, iceboats, quarantine stations, public parks, squares, etc., valued at,.....	$10,000,000 00	
		$16,568,475 00

It will be seen by the report of the Register that in the year 1900 the following City Loans mature:

City Hall, 6 per cent.....	$1,000,000 00
Funding, 6 per cent.....	800,000 00
Jones' Falls, 6 per cent.....	800,000 00

Jones' Falls, 5 per cent	$957,000 00
Jones' Falls, 3.65 per cent	483,000 00
Jones' Falls, 3.50 per cent	160,000 00
Jones' Falls, 3 per cent	100,000 00
Western Maryland Railroad, 6 per cent. guaranteed 3 per cent. Mortgage Bonds	875,000 00
	$5,175,000 00

In 1902 the following loans become due:

Western Maryland Railroad 6 per cent.	$1,000,000 00
City Hall, 6 per cent	500,000 00
	$1,500,000 00

By Ordinance No. 33, passed in 1897, the Finance Commissioners are required to provide funds for the payment of the indebtedness of the $875,000 6 per cent. Western Maryland Railroad Loan of 1900, and also the $1,000,000 similar loan of 1902. It will be noticed that of the maturing loans $4,100,000 bears interest at the rate of 6 per cent., and $987,000 at 5 per cent. As there will be a deficiency as shown above of $3,768,744.20 in the sinking funds to meet these loans, provisions will doubtless be made by application to the Legislature of 1900 for power to renew them at a much lower rate of interest.

The fact, however, of this anticipated deficiency, should direct your attention to the importance of maintaining the Sinking or Redemption Funds. A careful consideration of the above financial statements and figures, together with those hereafter given from the Comptroller's Report, will convince you of the ne-

cessity for the practice of a business-like economy in maturing provision for the expenditures of the city government; bearing in mind that to secure progress and prosperity, the tax rate must be kept within a reasonable limit, at the same time suitable provision must be made for the cleaning, repairing and lighting the streets, dredging the harbor and maintenance of the ice-boats; removal of garbage, supporting the Health, Fire and Police Departments, keeping the public buildings in repair; a liberal appropriation for the public schools; care of the poor and insane; proper provision for the jail; the courts, and those charitable and reformatory and other institutions which are now in whole or in part supported by the city. In this you will necessarily be much aided by the reports of these departments, all of which will be submitted for your consideration.

CITY IMPROVEMENT.

My short experience as Chief Executive has already directed my attention to many much-needed municipal wants, among others, improved pavements, of which we have now nearly 1,000,000 square yards that are known as Belgian and asphalt, the latter being of both the block and sheet variety. A few squares are paved with vitrified brick; the remaining portion of our streets are paved with what is known as cobble-stones, but which, in fact, are rubble or broken granite. This cobble-stone pavement, although cheaper to lay than Belgian blocks, asphalt or vitrified brick, is really more expensive in the end, especially as compared with Belgian, on account of its continual need

of repairs. It is trying to the horses and vehicles, and not improving to the temper of the driver, and a great trouble and expense to the Street Cleaning Department. In this connection, an ordinance has already been passed in the Council to have no more cobblestone pavements, and I recommend it to your favorable consideration.

There is a public desire to extend the smooth or improved pavements of Baltimore. This demand comes not only from the owners of business and pleasure vehicles, but from the bicycle riders, which together number many thousands of our citizens. It is a demand which should be responded to promptly.

Nearly all of our improved pavements were paid for with the proceeds of city stock issued for that purpose. It is a question whether it is a good business proposition to issue forty-year bonds to pay for an improvement which, in the case of an asphalt pavement, will be worn out before the maturity of the bonds. But the fact must nevertheless be realized that the tax levy required to meet the actual necessary expenses of the city government is already so high that it will not admit of being made subject to the future burden of meeting this demand. It can only be met by the issue of another paving loan. I therefore suggest that authority be asked from the Legislature to issue city stock to the extent of $1,500,000, the proceeds of the sale of which to be applied to improved pavements. This, while not sufficient to pave but a portion of the streets, will, nevertheless, add greatly to the public convenience and relieve the tax levy from being called upon in this connection to do more than properly keep in repair

such pavements as we already have. In laying the pavements I should advise the use of Belgian blocks for the streets subject to heavy hauling and travel, and especially that attention be paid to repaving and repairing the alleys, which now give much trouble to the Street Cleaning Department. I also suggest to your Honorable Body that the narrow streets, the abode of the humble man, be paved with a smooth pavement, as a sanitary measure in case of epidemic. I suggest also a trial of what has proven successful in other cities—that is, laying sheet asphalt over the old cobble-stone pavement, after the latter has been subject to a heavy ramming and other preparation for making it a proper bed or foundation for the asphalt.

SCHOOL HOUSES.

The large increase in the number of children attending our public schools requires constant additions to the school accommodations: the health of the pupils necessitates well-ventilated and well-heated buildings. There are now 177 schools, with 1,794 teachers, and in December, 1897, according to the roll, 64,602 pupils. For their accommodation the city has 101 school houses, and occupies, in addition, 36 rented buildings. Some of the former, and nearly all of the latter, are unsuited for the purpose for which they are being used.

The City College Building, on Howard street, is unfinished, and will require a large addition to the sum already expended to complete it; or, if that location should be abandoned, to provide for the purchase of another site and erection of a new building. In either event, funds will be required to meet this and also the

cost of the new school-houses. The same objection cannot be made for the issue of city stock to provide school buildings, as I have heretofore referred to in connection with the paving loans. The purchase of the ground and erecting of the buildings is in the nature of a permanent improvement and constitutes an actual asset of the city, which has a merchantable value. While realizing that it will be impracticable to meet this demand from the tax levy, I have but little hesitation in recommending an enabling Act from the Legislature authorizing the issue of $1,000,000 of city stock, the proceeds of the same shall be used from time to time to furnish suitable buildings for the public schools.

CITY COLLEGE.

It is greatly to be regretted that the City College matter has been left for so long a time unsettled. The selection of the Howard street site (in my opinion) was unfortunate. First, because of the heavy irredeemable ground rent on the lot, and next, because of the apprehension that has arisen on account of the question that has been raised in connection with the foundations. This matter should have been settled long since, and the city thus saved the many thousands of dollars caused by this (as I think) unnecessary delay. No business corporation would have so acted when their personal interests were concerned. In preparing the plans and erecting this building the city employed a firm of architects, who stand, with some others, at the very head of their profession in Baltimore. This firm has been the architects for many of the largest and most expensive buildings in the

city. After a careful and thorough examination of the building, both of its members assure me that there is no danger whatever in completing it; that the foundations are amply sufficient, without any changes or repairs rendered necessary on account of the long exposure of the unfinished structure to the weather, or if any slight deterioration has been caused by exposure to weather can be easily rectified by the builder. In this opinion they are confirmed by many of the most successful builders of this city. Under these circumstances I do not hesitate to recommend that the present City College building be at once pushed toward completion. To abandon it would sacrifice the large amount of money already expended, and under the circumstances, in the face of the opinion of the architects, seems unjustifiable.

SEWERAGE.

The full and able report of the Sewerage Commission, which has recently been submitted to the Mayor and City Council, practically directs your attention to the importance of a general system of sewerage for sewage matter. This, for a long time, has been recognized as an absolute want in Baltimore. The advantages of such a system are fully set forth in this report. Two plans are submitted by the Commission—that of dilution and filtration. The former proposes delivering the sewage into the Chesapeake bay, whilst the latter disposes of it by filtration, on land to be acquired, south of the city, in Anne Arundel county.

The difference in cost, in favor of the former, would commend it to the consideration of the public, but the apprehension of injury to the oyster industry of

Baltimore would, I feel sure, prevent its adoption by our people. The filtration system, on the other hand, is estimated, would require an expenditure of about $17,000,000, or about five or six millions more than the dilution plan. While the cost of maintenance of the former is greatly in excess of latter, eventually the sewer would be self-sustaining, for the revenue derived from what would be a sewer tax would provide for the interest on the bonds issued for their construction and pay the cost of maintenance, just as the Water Department is now sustained by the receipts from water rents.

The financial condition of the city, however, scarcely justifies us in embarking now in such an expensive public work. After 1900, when the taxable basis will be largely increased by the extension of the city tax rate over the property in the new wards, would seem to be a more propitious time. It is desirable, however, to continue the existence of the Sewerage Commission, and bear in mind that Baltimore must have such a system of sewers. I therefore suggest, that by resolution of the Mayor and City Council, the law officers of the city be directed, in connection with the Sewerage Commission, to prepare a proper Enabling Act, to be submitted to the Legislature, authorizing the issue of a city loan, to be known as the "Sewerage Loan," for the construction of a proper system of sewage sewers, upon such plan as may be adopted hereafter by the Mayor and City Council, the amount of such loan to be ten million dollars. This would enable a commencement to be made of this work at such time as the Mayor and City Council and the people would feel financially justified in its undertaking. As the work

would require several years for its completion, a subsequent Act could hereafter be obtained to enable the city to finally finish the construction of the entire system. In this connection it is well to consider that every year the work is postponed adds materially to its cost, by reason of the constant rise of the beds of the streets, by the extension of water mains and gas-pipes, underground conduits for electric wires, and construction of storm-water sewers. The question must also be borne in mind, how long will the health of the city permit the use of Jones' Falls, the Basin and Spring Garden as receptacles for the sewage matter now emptied into them by sewage sewers that are connected with the storm-water sewers? There is no more important subject that will be submitted to your consideration.

UNDERGROUND SUBWAYS.

The people have already voted upon the question of underground subways. For the present—overhead electric wires—there is no reason why this most desirable improvement should be further delayed. There is no difference of opinion as to the necessity of getting rid of these obstructions to our streets; we have been directed by the people at the ballot-box to construct the subways and the necessary expenditure has been authorized.

I believe the city should do the work and own the subways, requiring the users of them to pay a suitable rental. The construction should be done in the best and most economical manner and under the supervision of a commission, the persons of which would be a guarantee that the city would receive full

value for every dollar expended. That the services of such a commission can be obtained in Baltimore is shown by the result in the construction of the City Hall, the water works and the new Court House.

TOPOGRAPHICAL SURVEY.

I recommend that provision be made for the completion of the work of the Topographical Survey. The importance of the adoption of a proper plan for laying out the streets, avenues and alleys in what is known as the Annex District, and the establishment of the grades should be promptly recognized. It is a duty we owe to those who come after us.

CITY CHARTER.

Under the provisions of an ordinance passed by the Mayor and City Council I have appointed a Commission composed of five well-known citizens, together with the three law officers, who are now engaged in framing a New Charter, which is about completed, for the city. The present Charter, based upon that granted by the Legislature in 1797, is made up of Acts of Assembly and City Ordinances, enacted from time to time, as circumstances have required. Public opinion demanded that Baltimore should, in this connection, be placed abreast with its sister cities, by having a thorough review of the laws and ordinances now governing the community, and be provided with a system of municipal government, such as experience elsewhere has shown, to be for the best interests of the citizens.

I have no doubt that the result of the deliberations of this Commission will prove satisfactory.

WESTERN MARYLAND RAILROAD.

The city is largely interested in this corporation; a report of its indebtedness to the Mayor and City Council, and the amount of interest paid by the company is fully set forth in the report of the Commissioners of Finance. It might be well to explain at this point that the Western Maryland Railroad Company pays interest on all of its obligations, except the $875,000 Third Mortgage Bonds, which mature in 1900, and the $1,000,000 Six Per Cent. Stock, for which the city holds a mortgage on the property.

STORM WATER SEWERS AND BRIDGES.

I suggest that in the enabling acts hereinbefore recommended—that is, to provide for the issue of $1,500,000 of city stock for improved pavements and $1,000,000 for purchase of lots and construction of school houses—there be provided an additional sum of $500,000 for constructing of storm-water sewers and bridges, especially in connection with the opening of streets in the Annex District, and being in the nature of permanent improvement.

They should not be a burden upon the tax levy, and in this connection I would recommend that in the enabling act, authorizing the purchase of ground and erection of school houses, there be a special provision that the ground shall be purchased, not leased.

CITY DEPARTMENT.

CITY COLLECTOR.

The report of this office furnishes a statement of the receipts from taxes on real and personal estate. The office has been well conducted, and the receipts, although falling short of the estimates made by the

last Council, have shown good management of the department.

APPEAL TAX COURT.

This report gives full information of permits issued for new buildings, and all details connected with the taxable basis of real and personal property in the city. Its labors were largely increased during the past year by reason of the new assessment.

HEALTH DEPARTMENT.

This report shows efficient and intelligent management, and furnishes interesting statistics in connection with the death rate of this city. I recommend its suggestions to your consideration.

QUARANTINE OFFICER.

This branch of the Health Office gives valuable information in connection with the commerce of the port, and shows a gratifying increase in the number of steamships that have brought to and taken away cargoes from our wharves.

FIRE DEPARTMENT.

The excellent management of this department has for many years been most creditable to the city. The discipline of officers and men is most excellent, and the brave firemen of Baltimore are now, as always, entitled to the thanks of our people for their gallant services in saving life and property. I recommend the suggestions made in the report to your earnest consideration.

CITY COMMISSIONER.

This is one of the most important of the municipal departments. It has charge of everything connected

with paving and repairing the streets and constructing of bridges and sewers. I commend the information and suggestions contained in this report to your careful consideration. Undoubtedly, many of the streets are greatly in need of repairs, but the work of the department, in this connection, has been hampered by the very small amount placed at its disposal for this purpose by the last administration.

COMMISSIONER OF STREET CLEANING.

The report of this office gives a detailed account of the work of this department. It is therein shown one of the difficulties encountered in keeping our streets properly cleaned is the old-fashioned cobble-stone pavement, to which I have already referred.

The Commissioner suggests, in connection with the disposal of garbage, your careful consideration.

INSPECTOR OF BUILDINGS.

This report furnishes an account of the new school and engine-houses erected during the past year, and makes some valuable recommendations to which I direct your attention. It gives also a statement of the repairs made and those required in the City Hall and other public buildings.

WATER BOARD.

The report of this department gives an interesting statement of the work during the year 1897. The extension of the water mains into the Annex District is being pushed rapidly forward in accordance with the

comprehensive plan adopted by the Board. This cannot fail to be productive of most satisfactory results by enhancing the value of property and thus adding to the taxable basis. The enlargment of the mains in many of the streets in the first twenty wards will prove a great convenience to the people. This department is not only self-sustaining, but is making a considerable addition to the general revenues of the city.

PARK COMMISSIONERS.

The report of this Commission gives a full detailed account of the management for the year of our parks and pleasure grounds. The work of the Board in this connection has been most excellent.

HARBOR BOARD.

This report supplies full information of what has been done during the year in the way of dredging the harbor, maintenance of the wharves and ice-boats. I earnestly recommend a liberal appropriation for dredging. The importance of keeping the channels in the harbor navigable is shown by the large increasing commerce of the port. I especially call your attention to the necessity of making available the funds applicable to dredging the basin in the early spring, when this work should be done, and thus avoid, as far as possible, the almost annual infliction of what is known as the "basin nuisance." This nuisance will eventually only be permanently corrected by the construction of the sewage sewers; until then, however, it may be mitigated by thorough dredging of the basin in March and April.

JAIL.

The report of the Board in charge of this institution gives a full account of its management, which I commend to your careful consideration. The condition of the prison is all that could be desired. For years this institution has been well and economically conducted.

BAY VIEW ASYLUM.

This is another institution the management of which reflects credit upon the city. Its report will be found interesting. The crowded condition of the insane buildings forcibly directs attention to what my predecessors have often suggested, "That the State should make better provision for caring for the insane, and thus relieve, at least, to some extent, the city." In this connection we not only provide for this unfortunate class of our people, but are constantly burdened with the care of many from the adjacent counties.

REFORMATORY INSTITUTIONS.

The reports of all these will be submitted for your inspection and consideration. At the House of Refuge and St. Mary's Industrial School there are large numbers of boys committed for incorrigibility or for some petty offence. The city has contracts with both of these institutions for the care of these boys, and makes annual appropriations therefor.

They are both well managed, and the boys are well provided for. I recommend a continuation of the usual contracts and appropriations in this connection, and also a continuance of the moderate appropriations heretofore authorized by the Legislature, and made by the city to all charitable institutions.

MARYLAND INSTITUTE.

The work of this most excellent institution, as usual, commends itself to the community. It is doing much for the mechanical, architectural and artistic interests of the city. I recommend the usual appropriation. In this connection, the Maryland Institute is really a part of the public school system of Baltimore.

FRANCHISES.

No city franchise of any kind should be granted by the Mayor and City Council hereafter, without being put up for sale and sold to the highest responsible bidder. I recommend that your Honorable Body adopt an amendment to the rules governing the City Council, to the effect that no ordinance granting any franchise involving the use of the streets be passed by either Branch of the City Council until after being read on two separate days in each Branch, and that no vote for a suspension of the rules be allowed to override this order. This will prevent ordinances granting valuable franchises from being "railroaded" through the Council, and afford the public an opportunity of duly considering and commenting on all such applications.

RECEIPTS AND EXPENDITURES DURING THE FISCAL YEAR ENDING DECEMBER 31, 1897.

Cash balance charged to City Register January 1, 1897.....	$379,174 95

RECEIVED FROM CITY COLLECTOR.

Account tax levy, 1897, 20 wards.....	$3,672,089 04

Account taxes in arrears, 20 wards	1,472,153 33	
Account interest, 20 wards	39,980 55	
Account arrearages sinking funds, 20 wards	132,392 17	
Account taxes, including arrears, Annex	189,502 58	
Account assessment of securities, 20 wards	128,590 66	
Account assessment of securities, Annex	14,317 16	
Account assessment of mortgages	4,717 06	
Account water tax, arrears	206 29	
Account opening streets, individual benefits	85,865 61	
Account opening streets, city benefits	163,910 43	
Account paving streets, (assessment)	45,638 08	
		$5,949,362 96

RECEIVED FROM VARIOUS SOURCES.

Water Board, (rents, &c.)	$1,016,619 17	
Park Board, (city railway receipts, &c.)	266,449 98	
Interest on stock debt	549,812 25	
Interest due by Water Board, 1896	155,000 00	
State of Maryland, account public schools	214,618 29	

Tuition fees	4,059	91
Liquor licenses	410,239	93
General licenses	65,831	83
Market licenses	57,841	95
State tax on city loans	7,145	61
Bay View Asylum	1,533	13
Fines, &c	5,195	40
Jail Board	5,475	02
Quarantine Hospital	15,105	79
Permits for sheds, &c	7,141	03
Wharfage	33,249	02
Inspector of Gas Meters and Superintendent of Lamps	3,885	90
Temporary loans	3,938,000	00
Intestate estates		55
State of Maryland, Free Text Book Fund	52,727	61
Sale of stock, account Six Million Loan	535,471	00
Sale of stock, account Four Million Loan	707,244	75
Sale of stock, account Funding Loan	1,537,155	41
Telephone conduitism	6,653	56
Sale of old material and refuse	6,655	15
Sale of old material, account street openings	6,424	33
Ground rent from sundry parties	532	00
Transportation of poor	129	65
Rents, Gay, Hollins and Forrest streets	796	62

Auction duties	$7,735 16	
Fire Department, (old hose, &c.)	603 60	
Dog Pound, dogs reclaimed and sold	315 41	
Turnpike dividends	316 00	
City Seals	20 70	
City Library	324 86	
Topographical Survey (maps)	624 50	
Ice-boats (rentals)	100 00	
Superintendent of Public Buildings	2 50	
Liquor License Commission	5 28	
Conscience Fund	37 00	
Market halls (rentals)	575 10	
Electrical Subway	1,185 23	
Registration	101 40	
Health	4 00	
Grade advertising	483 23	
Tax sales	1,053 71	
Judgments and suits	836 80	
Removed cases	145 00	
Harbor Board (coal sold)	91 00	
Account of squares from Park Board	27,500 00	
Extension water supply	151 61	
Dangerous walls	144 97	
Tax Collector	4 62	
Inspector of Buildings, for special work done through City Commissioner's Department	1,405 26	
		$9,654,761 78
		$15,983,299 69

EXPENDITURES.

Department of Inspector of Buildings, city.....	$123,862 44
Department of Inspector of Buildings, Annex....	99,286 32
Street Cleaning Department, city.....	344,913 24
Street Cleaning Department, Annex.....	29,562 66
Superintendent of Lamps Department, city.....	348,075 22
Superintendent of Lamps Department, Annex....	53,601 65
Harbor Commission.....	70,540 34
Health Department, city..	85,371 95
Health Department, Annex	3,782 64
Fire Department, city....	395,424 80
Fire Department, Annex.	74,271 49
City Commissioner's Department, city.....	204,106 02
City Commissioner's Department, Annex.....	19,903 82
City Collector's Department	59,088 14
Commissioners for Opening Streets.....	9,979 61
Liquor License Commissioners	14,608 44
Supervisors of Election, salaries and expenses, (including registration and election).....	77,183 98

General expenditures.....	421,236 26
City Library.....	8,212 94
Superintendent of Public Buildings Department.	41,870 54
Public Schools, city	1,098,487 77
Public Schools, Annex...	154,786 90
Police Department.....	837,270 00
City poor.....	374,581 42
Certain expenses (courts, jail, etc.).....	237,020 81
Interest on stock debt....	1,447,287 00
Opening streets.....	163,910 43
Sinking Fund.....	467,470 31
Park Board, expenses of parks, etc.....	267,590 90
Temporary loans returned	4,619,000 00
Cleaning and repairs of markets	4,626 29
Cleaning and repairs of public halls.....	168 39
Expenditures of various squares	26,754 02
Tax sales, property purchased.....	3,440 58
Inspecting gas and oils...	7 20
Water Board expenses....	1,046,592 78
Patterson Park extension	101 18
Opening streets.....	145,263 16
Paving streets.....	39,447 26
Improvement, Harford Run	38 64
Fines remitted.....	307 00

Harbor Master's fees, etc.	8,338 45
Advertising, permits for sheds, etc	552 07
Grade advertising	483 23
Expense, account Gay street rents	156 68
Free text-books, public schools	56,031 30
Premium on sale of stock	102,602 95
Water Board, water tax in arrears	206 29
Paving certificates	1,885,74
Removing dangerous walls	250 97
City Commissioner, special work on streets	1,405 26
Removed cases	989 83
Harbor Board, replacing coal	91 00
Commissioners of Finance, account 1928 Loan, returned as unavailable	94,003 66
Permanent Water Supply, returned to Finance Commissioners	437 32
Ramsay-street Bridge, returned to Finance Commissioners	164 62
State tax, error in account	2 66
Ground rent, additional to appropriation, offset by receipts	532 00

Judgments and suits, additional to appropriation offset by receipts.	836 80	
City Collector, paid in error	4 62	
		$13,788,009 99

ACCOUNT OF FIVE MILLION 1928 LOAN.

Constructing sewers	$1,570 09	
School-houses and lots	2,513 47	
		$4,083 56

ACCOUNT OF SIX MILLION LOAN.

Court-house and Record building	$463,177 11	
Paving streets	29,298 62	
School-houses and lots	7,066 50	
Constructing sewers	82,680 52	
Building bridges	26,459 32	
		608,682 07

ACCOUNT OF FOUR MILLION 1945 LOAN.

Enlargement to water supply	717,021 26
Total payments	$15,117,796 88
Balance charged to City Register	865,502 81
	$15,983,299 69

In this, my first message, I have probably not as fully entered into the details of the work of the several departments as have some of my predecessors. As said at its commencement, this is due to the short time I have had an opportunity of familiarizing wisely with the workings of the city government.

The reports are, however, all submitted for your inspection and consideration ; the information contained therein will be found interesting and valuable. I earnestly suggest that we all unite in the effort to give to the people a business administration of the municipal government.

I am, very respectfully,

WM. T. MALSTER, *Mayor.*

ANNUAL REPORTS

—— OF THE ——

REGISTER OF THE CITY

—— AND OF THE ——

COMMISSIONERS OF FINANCE

—— TO THE ——

MEMBERS OF THE FIRST AND SECOND BRANCHES
OF THE CITY COUNCIL OF BALTIMORE,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT

— OF —

WILLIAM F. STONE,

Register of the City.

REGISTER'S REPORT.

OFFICE OF THE REGISTER OF THE CITY,

BALTIMORE, MD., January 3, 1898.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN: As required by Section 22 of Article 2 of Baltimore City Code of 1893, I have the honor of presenting herewith an "account of all moneys received and disbursed by this department during the year ending December 31, 1897." A statement of estimated receipts and tables of estimated amounts required by the several departments for the year ending December 31, 1898; tables showing the funded and guaranteed debt December 31, 1898; the "productive and interest-bearing securities, as well as the unproductive securities;" a statement showing the liabilities of the city as of December 31, 1897, and returns of the "Keeper of the Standards of Weights and Measures" (as required by Section 50, Article 28, Baltimore City Code of 1893); and also a "statement showing the condition of the fund held by the City Register in trust for property sold for taxes."

The receipts into the treasury from all sources during the fiscal year ending December 31, 1897, as detailed in statement D of this report were	$15,618,410 70
To which add the cash balance of December 31, 1896	379,174 95
Making a total amount to be accounted for	$15,997,585 65
The total disbursements for the year as detailed in statement D were	15,132,082 84
Leaving a cash balance on hand December 31, 1897	$865,502 81

ESTIMATED REQUIREMENTS FOR THE CURRENT YEAR.

In Statement B of this report are exhibited in detail the estimated requirements for the current fiscal year for the first twenty wards of the city, amounting in the aggregate to	$7,315,973 94	
And for the Twenty-first and Twenty-second Wards as detailed in the same statement	209,160 74	
Total amount of estimated requirements	$7,525,134 68	
From this deduct the estimated receipts from taxes in arrears and other sources shown in statement C of this report	3,019,944 25	
And the estimated amount to be levied for will be	$4,505,190 43	
In the year 1897 the estimated amount was.	5,697,277 05	
Decrease in 1898, for the reason that the floating debt, amounting to $1,453,229.42, existing December 31, 1895, has been funded		$1,192,086 62

FUNDED AND GUARANTEED DEBT.

The funded and guaranteed debt of the city on December 31, 1897, was $36,170,576.95, and on December 31, 1896, it was $33,502,018.43, an increase of $2,668,558.52, and is thus explained:

Issue of Public Improvement Three-and-one-half Per Cent. 1940 Loan during the year 1897		$534,400 00	
Issue of Four Million Three-and-one-half Per Cent. 1945 Loan during the year 1897.		685,400 00	
Issue of Funding Three-and-one-half Per Cent. 1936 Loan during the year 1897		1,453,300 00	
		$2,673,100 00	
Less:			
Amount of Park Improvement 1895 Loan redeemed	$3,000 00		
Amount of Consolidated Six Per Cent. 1890 Loan redeemed	610 98		
Amount of Consolidated Six Per Cent. 1893 Loan redeemed	300 00		
Amount of One Million Six Per Cent. 1886 Loan redeemed	630 50		
		4,541 48	
Thus showing the net increase to have been			$2,668,558 52

By reference to the statement of the Funded and Guaranteed debt, it will be observed that the total debt on December 31, 1897, was		$36,170,576 95
And the amount of productive and available assets was		18,520,669 47
Leaving the net debt at		$17,649,907 48
Add to this the amount of authorized but not yet issued stock in the treasury:		
Public Improvement Three-and-one-half Per Cent. 1940 Loan	$715,600 00	
Four Million Three-and-one-half Per Cent. 1945 Loan	2,579,500 00	
Conduit Three-and-one-half Per Cent. 1922 Loan	1,000,000 00	
		4,295,100 00
And the net debt will be increased to.... which is about 6.04 per cent. of the gross taxable basis (real and personal in twenty wards $267,000,000, in Annex $35,000,000, and securities in both $61,000,000) of $363,000,000.00, or about 7.98 per cent. of the net taxable basis at regular rate of $275,000,000.00.		$21,945,007 48
If the proposed loans for school and sewerage purposes are issued, amounting to.	11,000,000 00	
Less the increment to the Sinking Fund, estimated at	3,000,000 00	
		8,000,000 00
The net debt will be increased to, in say five years which will be about 9.36 per cent. on the basis at that time of $320,000,000 (estimated).		$29,945,007 48

In this estimated basis of taxation of $320,000,000 is included the real estate and personal property in the Annex, at the full rate of taxation.

In the year 1900 there will mature the following loans:		
City Hall Six Per Cent Stock	$1,000,000 00	
Funding " " "	800,000 00	
Jones Falls " " "	2,500,000 00	
Western Maryland Railroad Third Mortgage Guarantee Bonds	875,000 00	
		$5,175,000 00
And in 1902 there will mature—		
Western Maryland Railroad Six Per Cent. 1902 Loan	$1,000,000 00	
City Hall Six Per Cent. 1902 Loan	500,000 00	
		1,500,000 00
Total amount redeemable in 1900 and 1902		$6,675,000 00

Amount brought forward		$6,675,000 00
The total face value of the General Sinking Fund set apart for the redemption of the above-named loans, and other loans not specially provided for, amounts to	$1,906,255 80	
Estimating the increase in the Sinking Fund at	1,000,000 00	
there will be for the purpose of redemption of said loans at maturity the amount of		$2,906,255 80
leaving a deficiency of		$3,768,744 20
caused by the failure of the City Council for many years, up to 1891, to levy a tax for this Sinking Fund as required by law.		
Besides the above-named loans the following, which are redeemable from the General Sinking Fund, will mature:		
Harford Run Four Per Cent. Loan, due November 3, 1904	$ 350,000 00	
Funding Five Per Cent. Loan, due July 1, 1916	1,000,000 00	
McDonogh Extension Five Per Cent. Loan, due September 1, 1916	280,000 00	
Harford Run Four Per Cent. Loan, due January 1, 1920	250,000 00	
Patterson Park Four Per Cent. Loan, due October 1, 1920	200,000 00	
Paving Four Per Cent. Loan, due November 1, 1920	500,000 00	
Consolidated Three-and-a-half Per Cent. Loans, due July 1, 1930	5,000,000 00	
Unredeemed and overdue stock	17,373 50	
		$7,597,373 50

For the balance of the loans maturing at different times, there are special sinking funds providing for the redemption of the same.

Your attention is called to the report of the Commissioners of Finance for the condition of the various sinking funds under their charge and belonging to the city, as of December 31, 1897, and also to the accompanying tables:

Table "A" is a statement of the funded and guaranteed debt of the city.

Table "B" is an estimate of the requirements for the current fiscal year, and also a statement of the floating debt.

Table "C" is an estimate of receipts for the current fiscal year.

Table "D" is a detailed statement of the receipts and disbursements for the past fiscal year, and also the appropriations for the various accounts.

Table "E" shows the monthly returns from the Keeper of Standard Weights and Measures.

Table "F" shows the condition of the fund held by the City Register in trust for property sold for taxes.

Respectfully submitted.

WILLIAM F. STONE,

Register of the City.

STATEMENTS.

Statement A.—FUNDED AND GUARANTEED DEBT.

FUNDED DEBT.

Name of Loan.	Rate.	When Redeemable.	Amount.
City Hall	6 per ct.	March 15, 1900	$1,000,000 00
Jones Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	$3\frac{65}{100}$ "	" 9, 1900	483,000 00
"	$3\frac{1}{2}$ "	" 9, 1900	160,000 00
"	3 "	" 9, 1900	100,000 00
Funding	6 "	At pleasure after July 1, 1900.	800,000 00
Western Md. R. R.	6 "	January 1, 1902	1,000,000 00
City Hall	6 "	March 7, 1902	500,000 00
Harford Run	4 "	November 3, 1904	350,000 00
Water	5 "	At pleasure after July 1, 1916.	5,000,000 00
Funding	5 "	" " July 1, 1916.	1,000,000 00
McDonogh Ext	5 "	September 1, 1916	280,000 00
Harford Run	4 "	At pleasure after Jan. 1, 1920.	250,000 00
Patterson Park	4 "	October 1, 1920	200,000 00
Paving	4 "	At pleasure after Nov. 1, 1920.	500,000 00
Water	4 "	" " Nov. 1, 1922.	500,000 00
Western Md. R. R.	4 "	July 1, 1925	684,000 00
Water	4 "	At pleasure after Nov. 1, 1926.	1,000,000 00
Western Md. R. R.	$3\frac{1}{2}$ "	January 1, 1927	1,704,000 00
Internal Improv't.	$3\frac{1}{2}$ "	July 1, 1928	4,850,000 00
Consolidated	$3\frac{1}{2}$ "	At pleasure after July 1, 1936.	5,000,000 00
Funding	$3\frac{1}{2}$ "	July 1, 1936	1,453,300 00
Public Improvm't.	$3\frac{1}{2}$ "	January 1, 1940	5,284,400 00
Four Million	$3\frac{1}{2}$ "	March 1, 1945	1,420,500 00
1860 Stock	6 "	Unredeemed, no int. allowed.	482 00
Water, 1875	6 "	" " "	540 00
Consolidated, 1890.	6 "	" " "	12,351 50
Five Million, 1890.	6 "	" " "	2,003 45
Exempt, 1893	6 "	" " "	500 00
Water, 1894	5 "	" " "	3,500 00
			$35,295,576 95

GUARANTEED DEBT.

W. Md. R. R. 1900 Six Per Cent. Third Mortgage Bonds.	875,000 00
Total funded and guaranteed debt	$36,170,576 95

Amount brought forward		$36,170,576 95
From which deduct—		
Water Loans of 1916, 1922, 1926 and part of Four Million 1945 Loan ($698,000), the interest on which is paid by revenue from water rents	$7,198,000 00	
Patterson Park Extension Loan, on which interest is paid by Park Board	200,000 00	
Part of Four Million 1945 Loan, on which interest is paid by Park Board	722,500 00	
Commissioners of Finance on Western Maryland Railroad Six Per Cent. 1902 Loan	1,000,000 00	
Commissioners of Finance on Western Maryland Railroad Six Per Cent. Third Mortgage Bonds	875,000 00	
Western Maryland Railroad Company, on Western Maryland Three-and-one-quarter Per Cent. 1927 Loan	1,704,000 00	
Western Maryland Railroad Company, on Western Maryland Railroad Four Per Cent. 1925 Loan	684,000 00	
Overdue Stock, no interest allowed	19,376 95	
		$12,402,876 95
Leaving the amount on which interest is paid by taxation at		$23,767,700 00

Viz.: $3,100,000 00	interest at 6	per cent.
2,237,000 00	" " 5	"
1,100,000 00	" " 4	"
16,747,700 00	" " 3½	"
483,000 00	" " 3 6/100	"
100,000 00	" " 3	"
$23,767,700 00		

ASSETS OF THE CITY.

Productive.

Mortgage on Western Maryland Railroad Company	$2,388,000 00	
Value of Sinking Funds	4,376,398 48	
Value of water works	10,500,000 00	
550 shares Baltimore and Reisterstown Turnpike Stock	2,062 50	
137 shares Baltimore and Frederick Turnpike Stock	456 66	
Real estate, annual rental $10,225 11		
Market property, annual rental 45,000 00		
Wharf property, annual rental. 20,000 00		
$75,225 11		
Capitalized at 6 per cent	1,253,751 83	
		$18,520,669 47

Unproductive.

Accrued interest to January 1, 1887, on Western Maryland Railroad Second Mortgage Bonds, redeemed		$333,000 00	
Interest on Western Maryland Railroad Four Per Cent. 1925 Loan, from July 1, 1895		68,400 00	
Interest on Western Maryland Railroad Three-ond-one-quarter Per Cent. 1927 Loan, from July 1, 1895		138,450 00	
Fourth Mortgage on Western Maryland Railroad Company	$1,000,000 00		
Accrued interest to date	1,530,000 00		
		2,530,000 00	
Third Mortgage on Western Maryland Railroad Company	$875,000 00		
Accrued interest to date	1,417,500 00		
		2,292,500 00	
10,000 shares Valley Railroad Company of Virginia, cost		1,000,000 00	
4,000 shares Western Maryland Railroad Stock, cost		200,000 00	
130 shares Baltimore and Havre de Grace Turnpike Stock		3,000 00	
625 shares Baltimore and York Turnpike Stock		3,125 00	
Besides other property, such as—			
Court-houses, Record Office, City Hall, Jail, police stations, fire-engine houses and apparatus, school-houses, Almshouse, ice-boats, quarantine stations, public parks, squares, etc., valued at		10,000,000 00	
			$16,568,475 00

STATEMENT B.

The following statement shows the present floating indebtedness and the estimated expenses of the city for the current year to be provided for in the tax levy of 1898:

EXISTING CLAIMS.

Due Harford Run account		$3,096 89	
Paving certificates outstanding		33,349 09	
Due public schools, on account of free text books		8,046 17	
Due public schools, on account of intestate estates		1,986 41	
Due Park Board		4,243 91	
" Water Board		44,021 08	
" Internal Improvement 1928 Loan		28,653 04	
" Public " 1940 "		44,008 76	
" for benefits assessed for Opening Streets		21,507 57	
" for assessments assessed for Paving Streets		10,678 13	
" for city's portion of benefits assessed for Opening Streets, not provided for in levy for 1897		87,325 12	
" for reserve on contract for building Western High School		5,257 45	
" for estimated amount due on building Baltimore City College.	$30,000 00		
" less amount provided for in Public Improvement 1940 Loan	15,000 00		
		15,000 00	
" for deficiency in repairs of city property		241 05	
" for deficiency in Superintendent of Public Buildings Department		2,027 29	
" for deficiency in City Library		1,000 00	
" " temporary loans		819,000 00	
" " resolution in favor of John Kern, Treasurer Chesapeake Stove Co., No. 58, 1897		328 98	
			$1,129,770 94
Cash balance December 31, 1897		865,502 81	
Due by Four Million Loan		31,478 81	
" from tax sales		2,386 87	
			899,368 49
			$230,402 45
Besides which there are claims filed for:			
Entertaining the Ancient and Honorable Artillery of Boston		3,700 00	
Cost of litigation in School Board case		5,800 00	
			9,500 00
Floating debt			$239,902 45

Amounts carried forward		$239,902 45
This statement does not include the following items, due and payable on or about January 1, 1898, which are always provided for in the levy for the year in which they are payable, viz.:		
Interest on Stock Debt	$436,404 75	
Less amount payable by Commissioners of Finance	56,250 00	
	$380,154 75	
Due the various hospitals	14,537 56	
Due for gas, electric lights and gasoline	30,483 46	
Due for salaries, including Police and Fire Departments	82,982 62	
	$508,158 39	
Taxes in Arrears.		
For 1897 and previous years, City	$1,952,304 54	
" " " " " Annex (21st and 22d Wards	111,631 89	
	$2,063,936 43	
Estimated requirements for the fiscal year ending December 31, 1898:		
INSPECTOR OF BUILDINGS' DEPARTMENT—As per following detailed statement:		
Repairs of school houses	$25,000 00	
" " city property	20,000 00	
Sanitary and other improvements	50,000 00	
Empty cesspools	1,500 00	
Incidentals	400 00	
Livery and transportation	600 00	
Salaries	15,100 00	
Building Western Female High School	5,257 45	
" No. 4 Primary School	2,118 45	
" " 9 Colored School	2,158 14	
" " 18 Annex School	6,000 00	
" Male and Female Colored School No 4	50,000 00	
Building No. 8 Colored School	50,000 00	
" " 20 Engine House	682 54	
" " 21 " "	1,059 89	
" " 7 Grammar School	38,000 00	
" " 3 Annex School	3,143 40	
Repairs of city property, Annex	6,000 00	
Salaries, Annex	1,200 00	
Livery and transportation, Annex	250 00	
Room for Additional Judge, temporary Court House	200 00	
		$278,669 87

ALEX. M. MONTELL, *Clerk.*

Amount carried forward	$518,572 31

Amount brought forward		$518,572 32

DEPARTMENT OF STREET CLEANING—As per following detailed statement:

STREET CLEANING DEPARTMENT.

BALTIMORE, January 10, 1898.

MR. WM. F. STONE, *Register:*

DEAR SIR: Below I present my estimate of expenses for the year just commenced:

151 garbage carts and men at $18.00 per week	$141,336 00	
80 street carts and men at $18.00 per week	74,880 00	
170 sweepers and scrapers at $10.00 per week	88,400 00	
Salaries	10,000 00	
Contingent Fund	800 00	
Sweeping machines, sprinklers, etc	20,000 00	
Dumps	2,500 00	
Contract for removal of garbage	4,900 00	
Tools, repairs, etc	2,500 00	
		$345,316 00

Annex.

20 garbage carts and men at $18.00 per week	$18,720 00	
10 street carts and men at $18.00 per week	9,360 00	
20 sweepers and scrapers at $10.00 per week	10,400 00	
Salary of superintendent	1,000 00	
Tools	150 00	
		$39,630 00

Respectfully submitted.

ANDREW W. BOSTWICK,

Commissioner of Street Cleaning.

GENERAL SUPERINTENDENT OF LAMPS' DEPARTMENT—Per following detailed statement:

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1898.

CITY PROPER.

Gas Account.

4,735 gas lamps burning 4,000 hours each at 5 feet per hour, 94,700,000 cubic feet at $1.25 per M	$118,375 00	
Gas for Markets, 175,000 cubic feet at $1.25 per M	218 75	
Gas for Riverside Park, 800,000 cubic feet at $1.25 per M	1,000 00	
Amounts carried forward	$119,593 75	$903,518 32

Amounts brought forward	$119,593 75	$903,518 32
Gas for Washington Monument, 80,000 cubic feet at $1.25 per M	100 00	
150 new lamps (say 2,000 hours each), 1,500,000 cubic feet at $1.25 per M	1,875 00	
Erecting 150 new gas lamps at $7.50 each	1,125 00	
50 doz. Miner globes for replacing broken ones	425 00	
Repairs of services, straightening posts	1,000 00	
Replacing broken globes and repairs to burner stops	1,000 00	
Tin, solder, acid and necessary material for repairing the old lamps, and keeping them in repair	300 00	
Livery	300 00	
20 doz. new Miner lamps at $3.89 each	933 60	
Removing disused posts	1,500 00	
Repairing gas lamps	1,500 00	
Street signs and frames, and putting same in position	1,000 00	
Repairs to gas pipe in markets and city buildings, and repairs to wagon and harness	75 00	
Meter seals, advertising and incidentals	150 00	
416 Welsbach Lamps, burning 4,000 hours each at 3 feet per hour, 4,992,000 cubic feet at $1.25 per M	6,240 00	
416 Welsbach Lamps as per contract, rental of fixtures and renewal of the same at $13.00 per lamp per year	5,408 00	
		142,525 35
Electric Light Account.		
1,304 electric arc lights at 35 cents each per night	$166,586 00	
50 additional at 35 cents each per night	6,387 50	
Incandescent lamps (16) at No. 6 Engine House clock	192 00	
Repairs to instruments and calibrating the same, and incidentals	200 00	
		173,365 50
Gasoline Account.		
339 gasoline lamps (necessary gasoline and filling) at $12.00 each	$4,068 00	
50 additional gasoline lamps (necessary gasoline and filling) six months	300 00	
Painting and repairing lamps or lanterns	200 00	
Glass for reglazing, also repairs to burners	600 00	
Tin, solder, acid and necessary materials for repairing and keeping in repair the old lanterns	500 00	
Amounts carried forward	$5,668 00	$1,219,409 17

Amounts brought forward	$5,668 00	$1,219,409 17
Erecting and straightening posts, and also advertising and incidentals	150 00	
50 new wooden posts, $3 each	150 00	
		5,968 00
Salary Account.		
Office salaries	$3,000 00	
Five Superintendents of lamplighters	3,250 00	
108 lamp-lighters	44,928 00	
		51,178 00
ANNEX.		
Gas Account.		
853 gas lamps, burning 4,000 hours each, at five feet per hour, 17,060,000 cubic feet, at $1.25 per thousand	$21,325 00	
100 new gas lamps, average six months, burning, say, 1,000,000 cubic feet at $1.25 per thousand	1,250 00	
Erecting 100 new lamp posts at $7.50 each	750 00	
Repairs to services, straightening posts, etc	225 00	
Repairing and painting lanterns	300 00	
Six dozen new miner lamps at $3.89 each	280 18	
100 new iron posts at $6.00 each	600 00	
Glass for lanterns (replacing that broken)	90 00	
Repairs to burners and stops	50 00	
Signs, frames, and putting in position, etc.	100 00	
New burners, tips, advertising and incidentals	75 00	
Livery	300 00	
39 Welsbach lamps, burning 4,000 hours each, at three feet per hour, 468,000 cubic feet, at $1.25 per thousand	585 00	
39 Welsbach lamps as per contract, rental of fixtures and renewal of the same, at $13.00 per lamp per year	507 00	
		$26,437 18
Electric Light Account.		
Fifty-one electric arc lamps at 35 cents each per night	$6,515 25	
Ten additional lamps	1,277 50	
		$7,792 75
Gasoline Account.		
692 gasoline lamps (necessary gasoline and filling at $12 each)	$8,304 00	
Fifty additional lamps, six months average	300 00	
Fifty new lamp posts at $3 each	150 00	
Painting and repairing old lanterns	500 00	
Amounts carried forward	$9,254 00	$1,310,785 10

Amounts brought forward	$9,254 00	$1,310,785 10
Glass for lanterns (replacing that broken)	1.00 00	
Erecting and straightening posts, etc.	100 00	
Repairs to gasoline burners and valves	50 00	
New gasoline burners, valves, wicks and incidentals	150 00	
		9,654 00

Salary Account.

One superintendent of lamplighters	$ 936 00	
Thirty-nine lamplighters	16,224 00	
Two lamplighters additional	832 00	
		17,992 00

WM. H. SWINDELL, *Gen'l Supt. of Lamps.*

HARBOR COMMISSION—As per following detailed statement:

HARBOR BOARD OF BALTIMORE, ENGINEER'S OFFICE,

BALTIMORE, January 12, 1897.

MR. WM. F. STONE, *City Register:*

DEAR SIR: The Harbor Board will ask appropriations for 1898 as follows:

Harbor — Dredging harbor, docks and channels, including operation and maintenance of tug		$40,000 00	
Dredging Jones' Falls		15,000 00	
Salaries of engineer and clerk		5,000 00	
Iceboats		20,000 00	
Bulkhead at City Dock:			
Unexpended balance	$4,783 89		
New appropriation	5,000 00		
		9,783 89	
Repairs to wharves		1,500 00	
Removal of ashes		1,200 00	
Removal of floating matter		2,500 00	
			94,983 89

Respectfully, etc.,

N. H. HUTTON, *Engineer, etc.*

Amount carried forward	$1,433,414 99

Amount brought forward		$1,433,414 99

HEALTH DEPARTMENT—Per following detailed statement:

HEALTH DEPARTMENT—CITY HALL.

BALTIMORE, January 12, 1897.

HON. W. F. STONE, *City Register:*

DEAR SIR: I herewith transmit the estimate for the expenses of the Health Department for the year 1898:

Salaries	$45,660 00	
General health	16,000 00	
Quarantine Hospital	24,000 00	
ANNEX.		
Salaries	3,800 00	
		89,460 00

Very respectfully submitted,

JAMES F. MCSHANE, M. D., *Commissioner of Health.*

FIRE DEPARTMENT—Per following detailed statement:

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL,

BALTIMORE, January 6, 1898.

MR. WM. F. STONE, *City Register:*

DEAR SIR: In compliance with your request of the 13th ult., beg to advise that there are no claims against this department unpaid.

The estimated requirements for 1898 are as follows, viz.:

CITY.		
Salaries	$285,800 00	
Expenses	135,753 12	
ANNEX.		
Salaries	43,300 00	
Expenses	16,968 98	
Special appropriation for equipment of No. 21 Engine Company	25,000 00	
		506,822 10

Very respectfully,

STANLEY BAKER, *Secretary.*

Amount carried forward		$2,029,697 09

Amount brought forward		$2,029,697 09

CITY COMMISSIONER'S DEPARTMENT—As per following detailed statement:

CITY COMMISSIONER'S OFFICE,

BALTIMORE, January 10, 1898.

WILLIAM F. STONE, ESQ., *Register.*

DEAR SIR: Below is a statement showing the amount of money required in this department for the year 1898:

Repairs of paved streets	$125,000 00	
Repairs of unpaved streets	8,000 00	
Repairs of sewers	10,000 00	
Repairs of and painting bridges	20,000 00	
Paving and repaving cross streets	30,000 00	
Paving in front of city property	10,000 00	
Flagstone crossings	2,500 00	
Livery and transportation	2,000 00	
Incidentals	500 00	
Maintenance Light-street Bridge	8,000 00	
Salaries	35,000 00	
Rental of storage lots	1,000 00	
Advertising	200 00	
Repairs roads, streets, bridges, etc—Annex	40,000 00	
Grade establishments	3,000 00	
		295,200 00

Very truly,

W. A. HANWAY, *City Commissioner.*

CITY LIBRARIAN—As per following detailed statement:

CITY LIBRARARY, CITY HALL.

BALTIMORE, January 12, 1898.

HON. W. F. STONE, CITY REGISTER:

DEAR SIR: Herewith find estimate of requirements for City Library for 1898:

Stationery, printing and blank books, as per contract	$5,213 29	
Advertising	200 00	
Purchase of books and binding	400 00	
Telephone	66 00	
Salaries	2,400 00	
Labor—shelving, etc	720 71	
		9,000 00

Very respectfully,

GEO. W. MCCREARY, *City Librarian.*

Amount carried forward		$2,333,897 09

Amount brought forward		$2,333,897 09

SUPERINTENDENT OF PUBLIC BUILDINGS—As per detailed statement:

OFFICE OF SUPERINTENDENT PUBLIC BUILDINGS, CITY HALL,

BALTIMORE, January 10, 1898.

HON. WM. F. STONE, *City Register:*

DEAR SIR: The following is the estimate of expenses required for Superintendent of Public Buildings Department for the year ending December 31, 1898:

SALARIES.

City Hall.

1 Superintendent Public Buildings	$1,500 00	
1 janitor public buildings	900 00	
3 day watchmen, at $1,000	3,000 00	
1 night watchman	1,000 00	
1 elevator conductor	900 00	
2 firemen, at $900	1,800 00	
1 laborer	480 00	
1 superintendent charwoman	480 00	
1 clerk to Superintendent	1,000 00	
		$18,860 00

GENERAL EXPENSES.

City Hall.

Lighting, gas	$3,200 00	
" electricity	1,500 00	
General supplies	800 00	
" repairs	800 00	
Towel service	200 00	
Furniture repairs	500 00	
Clock repairs	50 00	
New furniture	1,000 00	
Ice	300 00	
Curtains	200 00	
Carpets	1,600 00	
Coal and wood	1,855 00	
Carpet cleaning	350 00	
Incidentals, labor, etc	300 00	
		12,655 00

SALARIES.

Annex.

1 night watchman	$1,000 00	
1 janitor and fireman	720 00	
3 charwomen, at $300	900 00	
		2,620 00
Amount carried forward		$2,368,032 09

Amount brought forward		$2,368,032 09

GENERAL EXPENSES

Annex.

General supplies	$550 00	
Ice	100 00	
Lighting, gas ond electricity	250 00	
Coal and wood	275 00	
Incidentals and labor	100 00	
Rent	1,800 00	
		3,075 00

SALARIES.

Court Houses.

2 firemen, at $600each	$1,200 00	
1 fireman and night watchman	600 00	
2 day watchmen, at $600 each	1,200 00	
1 elevator conductor	600 00	
6 char-women, at $300 each	1,800 00	
1 janitress	300 00	
		5,700 00

GENERAL EXPENSES.

Court Houses.

Lighting, gas and electricity	$3,100 00	
1 electric fan (large)	300 00	
22 electric fans	450 00	
Coal and wood	1,800 00	
Ice	200 00	
General supplies	400 00	
Repair furniture	200 00	
Clean carpets	75 00	
New furniture	300 00	
New carpets	250 00	
Incidentals, labor, etc	100 00	
Rent, Sheriff's Office	600 00	
		7,775 00

Recapitulation.

Salaries, City Hall	$18,860 00
" Annex	2,620 00
" Court Houses	5,700 00
General expenses, City Hall	12,655 00
" Annex	3,075 00
" Court Houses	7,775 00
	$50,685 00

Respectfully submitted.

THEODORE F. LANG,

Sup't Public Buildings.

Amount carried forward	$2,381,582 09

Amount brought forward		$2,384,582 09

CITY COLLECTOR'S DEPARTMENT—As per detailed statement following:

TAX DEPARTMENT.

CITY COLLECTOR'S OFFICE—CITY HALL,

BALTIMORE, January 14, 1898

WM. F. STONE, ESQ., *City Register:*

DEAR SIR: I submit the following estimates for salaries and expenses of the Tax Department and salaries of the judges and employes of the Appeal Tax Court for the year ending December 31, 1898, aggregating $68,600.00.

TAX DEPARTMENT.

1 City Collector	$2,000 00	
1 Deputy City Collector	2,500 00	
1 Cashier	1,600 00	
1 assistant cashier	1,400 00	
1 bookkeeper	1,600 00	
1 general cash bookkeeper	1,600 00	
1 transfer clerk	1,300 00	
1 Annex clerk	1,300 00	
16 ledger clerks, at $1,300 each	20,800 00	
Incidental expenses of Tax Department	3,000 00	
1 additional ledger clerk, made necessary by increased work at Annex desk from the new assessment	1,300 00	
		38,400 00

APPEAL TAX COURT.

3 Judges, at $1,800 each	$5,400 00	
1 chief clerk	1,600 00	
1 assistant clerk	1,600 00	
1 assessor of new improvements	1,400 00	
1 assessor of new improvements (Annex)	1,200 00	
1 chief assessor of old real estate	1,800 00	
4 assistant assessors of old real estate, at $1,200 each	4,800 00	
2 clerks to assessors, at $1,200 each	2,400 00	
28 assessors of personal property	10,000 00	
		30,200 00

Very respectfully,

E. A. HARTMAN, *Deputy Collector.*

COMMISSIONERS FOR OPENING STREETS.

Salaries	$7,200 00	
Expenses	200 00	
		7,400 00

Submitted by order of the Board:

CARL CASEY, *Clerk.*

Amount carried forward	$2,460,582 09

Amount brought forward		$2,460,582 09

SUPERVISORS OF ELECTIONS—Per following detailed statement:

OFFICE OF BOARD OF SUPERVISORS OF ELECTIONS—
CITY HALL,
BALTIMORE, January 11, 1898.

WM. F. STONE, *City Register:*

DEAR SIR: The Board of Supervisors of Elections direct me to submit the following as their estimate of the expenses of this department for the year 1898:

For registration account	$49,000 00	
" election "	20,000 00	
" salary "	9,500 00	
" expense "	1,500 00	
		80,000 00

Very respectfully,

HUGH MCELDERRY, *Chief Clerk.*

LIQUOR LICENSE COMMISSION—Per following detailed statement:

Salaries	$10,800 00	
Expenses	4,200 00	
		15,000 00

GENERAL EXPENDITURES.

Diary of City Council	$62,000 00	
General expense	2,000 00	
Mayoralty	3,000 00	
Salaries, not otherwise provided for	53,000 00	
Pbblic printing	7,000 00	
Interest on temporary loans	20,000 00	
Interest on paving certificates	1,128 68	
State tax on city loans	50,000 00	
Ground rents on city property	48,500 00	
Insurance on city property	1,000 00	
Maryland Institute	9,000 00	
Ringing Mechanics' bells	200 00	
Winding Maryland Institute clock	75 00	
Transportation to House of Correction	250 00	
Dog pound	1,300 00	
General licenses	1,000 00	
Assistant to Examiner of Titles	1,200 00	
Hose for various markets	500 00	
Enoch Pratt Free Library Fund, deficiency, 1898	497 50	
Pension account, W. H. War	260 00	
Veteran Volunteer Firemen's Association	500 00	
Refunded taxes	2,000 00	
Water for fire-plugs at Carroll	250 00	
Amounts carried forward	$264,661 18	$2,555,582 09

Amounts brought forward	$264,661 18	$2,555,582 09
Charter Commission	4,677 40	
Expenses of Appeal Tax Court	1,100 00	
In favor of John Kern, treasurer Chesapeake Stove Company, Res. 58, 1897	328 98	
		$270,767 56

PUBLIC SCHOOLS—As per following detailed statement:

OFFICE OF THE COMMISSIONERS OF PUBLIC SCHOOLS,
CITY HALL,
BALTIMORE, January 14, 1898.

WM. F. STONE, ESQ., *City Register:*

DEAR SIR: I am instructed by the Committee on Accounts of this Board to submit the following as their estimate of the expenses of this department for the year ending December 31, 1898:

For salaries, city	$1,000,000 00	
" expenses, city	178,800 00	
" Baltimore Polytechnic Institute	38,000 00	
" Colored Polytechnic Institute	11,837 00	
" night schools	15,000 00	
" free text books, white	10,000 00	
		1,253,637 00
For salaries, Annex	$146,000 00	
For expenses, Annex	29,700 00	
		175,700 00

Respectfully submitted.

CHAS. F. BENDER, *Secretary.*

POLICE DEPARTMENT—As per detailed statement:

OFFICE BOARD OF POLICE COMMISSIONERS,
BALTIMORE, January 12, 1898.

To the Mayor and City Council of Baltimore City:

GENTLEMEN: We respectfully submit to you the following as the estimate for the expenditures of this department for the year 1898, viz.:

For salaries	$895,492 00	
For miscellaneous expenses	35,000 00	
Account new station house and stables, Annex	50,000 00	
		980,492 00

Very respectfully,

D. C. HEDDINGER,
W. W. JOHNSON,
E. M. SCHRYVER,
Police Commissioners.

Amount carried forward	$5,236,178 65

Amount brought forward		$5,236,178 65

CITY POOR.

Maintenance of Bay View Asylum	$105,000 00	
Transportation of poor to homes	1,000 00	
Friendly Inn	1,000 00	
St. Mary's Industrial School	20,000 00	
Mt. Hope Retreat	45,000 00	
Maryland Hospital for the Insane	45,000 00	
Second Hospital for the Insane, Springfield	4,000 00	
Montevue Hospital	150 00	
House of Refuge	20,000 00	
" " " heating apparatus	5,000 00	
" " " Manual Training School.	3,000 00	
House of Reformation	12,000 00	
College of Physicians and Surgeons' Hospital	16,900 00	
University of Maryland Hospital	10,140 00	
St. Vincent's Infant Asylum	6,000 00	
St. Elizabeth's Colored Orphan Asylum	3,500 00	
Nursery and Child's Hospital	3,700 00	
Home of the Friendless	2,100 00	
Industrial Home for Colored Girls	2,700 00	
Female House of Refuge	5,000 00	
Maryland Homeopathic Hospital	3,380 00	
Hospital of the Good Samaritan	3,380 00	
Deaf and Dumb at Frederick	500 00	
Shelter for the Aged Colored Poor	1,000 00	
Boys' Home Society	3,000 00	
St. Mary's Home for Colored Boys	500 00	
St. Mary's Female Orphan Asylum	9,000 00	
St. Joseph's House of Industry	1,600 00	
Baltimore University Hospital	6,760 00	
Maryland General Hospital	9,295 00	
The Simmins Home	1,500 00	
St. Joseph's Hospital	5,070 00	
St. Agnes' Hospital	5,070 00	
Baltimore Manual Labor School	1,500 00	
St. Vincent de Paul Orphan Asylum	1,600 00	
House of the Good Shepherd for Colored Girls	2,500 00	
Provident Hospital	3,380 00	
General German Orphan Asylum	1,000 00	
Hebrew Hospital and Asylum Association.	1,500 00	
Free baths	500 00	
		$373,225 00

Free Dispensaries.

Dental department, University of Maryland	$500 00	
Southern Homoepathic	800 00	
Northeastern	1,200 00	
Eastern	1,800 00	
Baltimore General	1,800 00	
Amounts carried forward	$6,100 00	$5,609,103 65

Amounts brought forward	$6,100 00	$5,609,403 65
Baltimore Medical College	1,200 00	
Maryland Homœpathic	800 00	
College of Physicians and Surgeons	1,500 00	
Women's and Child's Hospital	500 00	
Baltimore University	1,000 00	
University of Maryland	1,000 00	
Baltimore College and Dental Surgery	500 00	
Southern	1,000 00	
Provident Hospital	800 00	
Baltimore Eye, Ear and Throat Charity Hospital	500 00	
Evening Dispensary for Working Women and Girls	700 00	
Baltimore Homeopathic	500 00	
		16,100 00

CERTAIN EXPENSES.

Criminal Court	$70,000 00	
" " No. 2	1,000 00	
Baltimore City Court	15,000 00	
" " " No. 2	1,000 00	
Court of Common Pleas	15,000 00	
Superior Court	10,000 00	
" " No. 2	4,000 00	
Circuit Court	4,500 00	
" " No. 2	4,000 00	
Orphans' Court	7,000 00	
Supreme Bench	4,500 00	
Judges at Large	6,000 00	
Judgments and suits	5,000 00	
Coroners	7,100 00	
Jail	51,000 00	
Magistrates	17,500 00	
		222,600 00

INTEREST ON STOCK DEBT.—One year's interest on the following loans:

Water 5 Per Cent. 1916	$250,000 00	
" 4 " 1922	20,000 00	
" 4 " 1926	40,000 00	
Funding 5 Per Cent. 1916	50,000 00	
" 6 " 1900	48,000 00	
Harford Run 4 Per Cent. 1920	10,000 00	
Paving 4 per Cent. 1920	20,000 00	
Consolidated 3½ Per Cent. 1930	175,000 00	
Jones' Falls 6 " 1900	48,000 00	
" 5 " 1900	47,850 00	
" $3\frac{65}{100}$ " 1900	17,629 50	
Amounts carried forward	$726,479 50	$5,848,103 65

Amounts brought forward	$726,479 50	$5,848,103 65
Jones' Falls 3½ Per Cent. 1900	5,600 00	
" 3 " 1900	3,000 00	
City Hall 6 " 1900	60,000 00	
" 6 " 1902	30,000 00	
West'n Maryland Railroad 6 Per Cent. 1902	60,000 00	
" " " 4 " 1925	27,360 00	
" " " 3½ " 1927	55,380 00	
Internal Improvement 3½ Per Cent. 1928	169,750 00	
Public " 3½ " 1940	210,000 00	
Four Million 3½ Per Cent. 1945	87,500 00	
Harford Run 4 " 1904	14,000 00	
Patterson Park 4 Per Cent. 1920	8,000 00	
McDonogh Extension 5 Per Cent. 1916	14,000 00	
Western Maryland Railroad 6 Per Cent. Guaranteed Bonds	52,500 00	
Funding 3½ Per Cent. 1936	50,865 50	
		1,574,435 00

OPENING STREETS—Per following detailed statement:

CITY'S PROPORTION FOR OPENING STREETS FOR 1898.

Castle street from North avenue to Lanvale street	$2,716 23	
Pulaski street from Boundary avenue to Clifton avenue	3,530 92	
Bradford street from Federal to Townsend street	5,505 96	
Port street from Federal to Townsend street	5,936 68	
Payson street from Boundary avenue to Clifton ave	5,977 13	
Great Constitution street from Biddle to Preston street	1,803 70	
Collington avenue from Biddle to Preston street	9,906 44	
Burke street from Oliver street to Belair avenue	24,478 50	
Patuxent street from Monument street to Belair avenue	27,566 56	
Glover street from Fayette to Monument street	8,679 65	
Chew street from Chester to Patterson Park avenue	6,494 26	
		102,596 03
		$7,525,134 68

Respectfully submitted,

J. F. PARLETT, *City Collector.*

SUMMARY OF ESTIMATED REQUIREMENTS.

For City	$7,076,071 49	
" Annex	209,160 74	
" Floating debt	239,902 45	
		7,525,134 68

STATEMENT C.

Estimated Receipts.

Taxes in arrears for city and Annex estimated to be collected during 1898	$1,556,430 00
Interest on taxes in arrears	41,174 25
From Commissioners of Finance, interest on stock debt.	112,500 00
" Water Board " " " " .	372,212 50
" Park " " " " " .	33,287 50
" Western Maryland Railroad Company, interest on stock debt	82,740 00
" State of Maryland for public schools	215,000 00
" liquor licenses	410,000 00
" fines	5,000 00
" City Jail	5,000 00
" Bay View	1,500 00
" sale of refuse from cleaning streets	1,000 00
" Quarantine Hospital	15,000 00
" permits for sheds, signs, etc	7,000 00
" sale of old Material	4,000 00
" inspection of gas meters	3,500 00
" rent of market houses, net	45,000 00
" " " wharves, "	20,000 00
" general licenses	65,000 00
" auction duties	7,500 00
" rental of telephone conduits	7,000 00
" City Register, State tax on city loans	8,000 00
" Western Maryland Railroad Company, State tax on city loans	900 00
" Fire Department	600 00
" City Library	300 00
" turnpike dividends	300 00
	$3,019,944 25

STATEMENT D.

Name of Account.	Appropriations.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources.
Courts, etc.					
(Provided for by Tax Levy for Certain Expenses).					
Baltimore City Court	$15,000 00	$14,011 48			
Baltimore City Court No. 2		561 00			
Circuit Court	4,200 00	4,191 85			
Circuit Court No. 2	2,600 00	3,915 65			
Court of Common Pleas	14,000 00	14,057 45			
Criminal Court	70,000 00	79,895 62			
Orphans' Court	7,000 00	6,780 00			
Superior Court	15,000 00	15,423 68			
Superior Court No. 2	8,500 00	3,672 00			
Supreme Bench	4,000 00	3,994 50			
Judge-at-Large	6,000 00	5,750 00			
Judgments and Suits	5,000 00	5,206 48	$836 80		$836 80
Coroners	7,000 00	7,000 00			
Fines		307 00	5,195 40		5,195 40
Jail	51,000 00	50,997 97	5,475 02		5,475 02
Registration	50,000 00	47,609 94	101 40		101 40
Magistrates	17,500 00	17,408 87			
Removed Cases		989 83	145 00		145 00
Certain expenses			210,142 19	$210,142 19	
	$276,800 00	$281,773 32	$221,895 81	$210,142 19	$11,753 62

Schools.					
(Provided for by Tax Levy for Public Schools).					
Public Schools, Salaries	$930,000 00	$922,746 41	$1,190,630 04	$973,655 28	$216,974 76
Public Schools, Expenses	134,610 00	122,996 70	1,703 44		1,703 44
Baltimore Polytechnic Institute	33,688 00	33,087 60			
Colored Polytechnic Institute	8,000 00	8,077 29			
Night Schools	10,000 00	9,579 77			
	$1,116,298 00	$1,096,487 77	$1,192,333 48	$973,655 28	$218,678 20
Police Department.					
(Provided for by Tax Levy for Police Department).					
Salaries	$793,520 00	$789,707 18	$774,683 42	$774,683 42	
Expenses	43,750 00	47,562 82			
	$837,270 00	$837,270 00	$774,683 42	$774,683 42	
Fire Department.					
(Provided for by Tax Levy for Direct Tax).					
Salaries	$286,300 00	$286,286 00			
Expenses	100,000 00	99,938 80	$603 60		
Repairs to Fire Boat "Cataract."	9,200 00	9,200 00			$603 60
	$395,500 00	$395,424 80	$603 60		$603 60

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources.
Health Department. (Provided for by Tax Levy for Direct Tax.)					
Salaries	$42,000 00	$45,647 74			
Expenses	13,000 00	11,473 93	$4 00		$4 00
Quarantine Hospital	23,700 00	23,250 28	15,105 79		15,105 79
Removal of Refuse from Canning Houses	5,000 00	5,000 00			
	$83,700 00	$85,371 95	$15,109 79		$15,109 79
Harbor Commission. (Provided for by Tax Levy for Direct Tax.)					
Dredging Harbor	$30,391 00	$30,382 22	$91 00		$91 00
Maintenance and Repairs of Ice-boats	20,000 00	18,992 99	100 00		100 00
Repairs of Wharves	1,684 95	1,684 95			
Bulkhead at City Dock	5,514 43	730 54			
Removal of Ashes from Tow-boats	1,200 00	1,177 23			
Salaries of Chief Engineer and Clerk	5,000 00	5,000 00			
Dredging Harbor (deficiency) Ordinance 6, 1897	361 73	361 73			
Ice-boats (deficiency) Ordinance 6, 1897	9,801 06	9,801 06			
Removal of Floating Matter	2,500 62	2,500 62			
	$76,453 79	$70,631 34	$191 00		$191 00

Department of Street Cleaning.

(Provided for by Tax Levy for Direct Tax.)

Garbage Carts and Men	$141,336 00	$139,350 00		
Street Carts and Men	75,678 00	73,143 00		
Sweepers and Scrapers	91,631 05	87,375 47		
Sweeping Machines, Sprinklers, etc.	15,000 00	19,009 75		
Dumps	2,400 00	2,431 50		
Contingent Fund	400 00	424 86		
Contract for Removal of Garbage	11,850 00	11,850 00		
Tools, Repairs, etc	2,492 00	2,443 95		
Salaries	9,000 00	8,884 71		
Sale of Street Dirt			$1,007 45	$1,007 45
	$349,787 05	$344,913 24	$1,007 45	$1,007 45

General Superintendent of Lamps.

(Provided for by Tax Levy for Direct Tax.)

Salaries	$3,000 00	$3,000 00		
Gas	132,612 50	125,593 54	$258 90	$258 90
Gasoline	5,804 00	5,017 64		
Electric Lights	166,350 00	166,175 18		
Lamplighters' Salaries	48,328 00	48,288 86		
Inspecting Gas Meters			3,627 00	3,627 00
	$356,094 50	$348,075 22	$3,885 90	$3,885 90

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources.
Superintendent of Public Buildings. (Provided for by Tax Levy for Direct Tax).					
Salaries, Court Houses	$3,570 00	$3,569 46			
" City Hall	16,621 00	16,620 03			
" " Annex	2,540 00	2,539 96			
Expenses, Court Houses	4,991 00	4,981 81			
" City Hall	11,532 00	11,522 55	$2 50		$2 50
" " Annex	2,646 00	2,636 73			
	$41,900 00	$41,870 54	$2 50		$2 50
City Library. (Provided for by Tax Levy for Direct Tax.					
Salaries	$2,400 00	$2,400 00			
Expenses	5,899 54	5,812 94	$324 86		$324 86
	$8,299 54	$8,212 94	$324 86		$324 86
Commissioners for Opening Streets. (Provided for by Tax Levy for Direct Tax).					
Salaries	$9,900 00	$9,900 00			
Expenses	200 00	79 61			
	$10,100 00	$9,979 61			

City Collector's Department.				
(Provided for by Tax Levy for Direct Tax).				
Salaries	$32,800 00	$32,503 34		
Expenses	3,000 00	3,003 66	$4 62	$4 62
Salaries, Appeal Tax Court	22,400 00	22,385 76		
Expenses, " " "	1,200 00	1,200 00		
	$59,400 00	$59,092 76	$4 62	$4 62
Supervisors of Elections.				
(Provided for by Tax Levy for Direct Tax).				
Elections	$20,000 00	$19,340 66		
Salaries	9,500 00	8,540 35		
Expenses	1,500 00	1,273 03		
Temporary Assistance to Clerk and Messenger	800 00	420 00		
	$31,800 00	$29,574 04		
Liquor License Commission.				
(Provided for by Tax Levy for Direct Tax).				
Salaries	$10,800 00	$10,800 00		
Expenses	4,200 00	3,808 44	$5 28	$5 28
	$15,000 00	$14,608 44	$5 28	$5 28

STATEMENT D.—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources.
City Poor, Hospitals, etc. (Provided by Tax Levy for City Poor).					
Bayview Asylum	$105,000 00	$104,970 95	$1,533 13		$1,533 13
Transportation of Poor	800 00	621 51	129 65		129 65
Friendly Inn	1,000 00	1,000 00			
St. Mary's Industrial School	20,000 00	20,000 00			
Mt. Hope Retreat	12,500 00	44,405 31			
Maryland Hospital for the Insane	12,500 00	41,775 35			
Second Hospital for the Insane at Springfield	2,500 00	3,974 89			
Montevue Hospital	600 00	150 00			
House of Refuge	20,000 00	20,000 00			
House of Refuge, Heating Apparatus	5,000 00	5,000 00			
House of Refuge, Manual Training School	3,000 00	3,000 00			
House of Reformation	12,000 00	12,000 00			
College of Physicians and Surgeons Hospital	16,900 00	16,765 55			
University of Maryland Hospital	10,140 00	7,765 17			
St. Vincent's Infant Asylum	6,000 00	6,000 00			
St. Elizabeth's Colored Orphan Asylum	3,500 00	3,500 00			
Nursery and Child's Hospital	3,700 00	3,700 00			

Home of the Friendless	2,275 00	2,275 00		
Industrial Home for Colored Girls	2,700 00	2,700 00		
Female House of Refuge	5,000 00	5,000 00		
Maryland Homeopathic Hospital	3,380 00	3,241 18		
Hospital of the Good Samaritan	3,380 00	3,211 48		
Deaf and Dumb at Frederick	500 00	496 75		
Shelter for the Aged Colored Poor	1,000 00	1,000 00		
Boy's Home Society	3,000 00	3,000 00		
St. Mary's Home for Colored Boys	500 00	500 00		
St. Mary's Female Orphan Asylum	9,000 00	9,000 00		
St. Joseph's House of Industry	1,600 00	1,600 00		
Baltimore University Hospital	6,760 00	4,401 44		
Maryland General Hospital	9,295 00	7,781 92		
The Simmins Home	1,500 00	1,000 00		
St. Joseph's Hospital	5,070 00	4,775 19		
St. Anges' Hospital	5,070 00	4,110 33		
Baltimore Manual Labor School	1,500 00	1,500 00		
St. Vincent de Paul Orphan Asylum	1,600 00	1,600 00		
House of the Good Shepherd for Colored Girls	2,500 00	2,500 00		
Provident Hospital	3,380 00	2,159 40		
General German Orphan Asylum	1,000 00	1,000 00		
Hebrew Hospital and Asylum Asso.	1,500 00	1,500 00		
Free Baths	500 00	500 00		
Dental Dispensary, University of Maryland	500 00	500 00		
Southern Homeopathic Free Dispensary	800 00	800 00		
Northeastern Free Dispensary	1,200 00	1,200 00		
Eastern Free Dispensary	1,800 00	1,800 00		
Baltimore General Free Dispensary	1,800 00	1,800 00		
Amount carried forward	$373,250 00	$365,581 42	$1,662 78	$1,662 78

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
Amount brought forward	$373,250 00	$365,581 42	$1,662 78		$1,662 78
Baltimore Medical College Free Dispensary	1,200 00	1,200 00			
Maryland Homeopathic Free Dispensary	800 00	800 00			
College of Physicians and Surgeons Free Dispensary	1,500 00	1,500 00			
Women's and Childs' Hospital Free Dispensary	500 00	500 00			
Baltimore University Free Dispensary	1,000 00				
University of Maryland Free Dispensary	1,000 00	1,000 00			
Baltimore College of Dental Surgery Free Dispensary	500 00	500 00			
Southern Free Dispensary	1,000 00	1,000 00			
Provident Hospital Free Dispensary	800 00	800 00			
Baltimore Eye, Ear and Throat Charity Hospital Free Dispensary	500 00	500 00			
Evening Dispensary for Working Girls	700 00	700 00			
Baltimore Homeopathic Free Dispensary	500 00	500 00			
City Poor			330,770 01	330,770 01	
	$383,250 00	$374,581 42	$332,432 79	$330,770 01	$1,662 78

Inspector of Buildings' Department.					
(Provided for by Tax Levy for Direct Tax).					
Salaries	$15,100 00	$15,100 00			
Repairs of School Houses	20,000 00	19,731 24			
Repairs of School Houses (deficiency) Ordinance 6, 1897	5,124 81	5,122 82			
Repairs of City Property	15,000 00	15,000 00			
Repairs of City Property (deficiency) Ordinance 6, 1897	1,915 78	3,429 14			
Repairs of Heating Apparatus in School Houses	2,854 00	2,854 00			
Sanitary and Other Improvements	3,000 00	3,000 00			
Emptying Cess Pools	800 00	800 00			
Incidentals	200 00	200 00			
Livery	500 00	500 00			
Building Western High School	5,257 45				
" Primary School No. 4	6,000 00	3,881 55			
" Colored School No. 9	28,734 97	26,576 83			
" Male and Female Colored School No. 4	1,000 00	800 00			
" Colored School No. 8	1,000 00	830 00			
" Grammar School No. 7	49,989 00	25,811 19			
Repairs of Engine Houses (deficiency), Ordinance 6, 1897	1,513 36				
Fitting Up Room for Judge at Large, Resolution 6, 1897	350 00	225 67			
Permits for Sheds, Signs, etc		552 07	$7,141 03		$7,141 03
Dangerous Walls		250 97	144 97		144 97
	$158,339 37	$124,665 48	$7,286 00		$7,286 00

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources.
City Commissioner's Department.					
(Provided for by Tax Levy for Direct Tax, except for paving those streets for which no appropriation is made, the cost of such paving being paid by Assessments)					
Salaries	$32,950 00	$29,871 48	$425 67		$425 67
Incidentals	500 00	489 50			
Livery and Transportation	1,500 00	1,500 00			
Advertising	200 00	198 46			
Grade Advertising		483 23	483 23		483 23
Repairs of Paved Streets	105,000 00	105,994 85	188 14		188 14
" Unpaved Streets	3,000 00	2,988 14			
" Sewers	5,871 06	5,674 16	4,261 90		4,261 90
" Bridges	15,000 00	14,999 66	71 33		71 33
Paving in front of City Property	3,000 00	3,000 00			
Paving and Repaving Cross Streets	23,000 00	22,273 81			
Maintenance of Light-street Bridge	5,310 00	5,302 61			
Rental of Storage Lots	200 00	200 00			
Flag and Stepping Stones	2,000 00	1,711 88			
Laying Drain-pipe, Newington ave. (deficiency), Ordinance 6, 1897	568 13	568 13			
Inlets to Sewer corner Schroeder and Hollins streets, Resolution 28, 1897	1,200 00	1,034 92			

Board-walk on Fayette street, Resolution 46, 1897	40 00				
Repairs to Harrison Street		30 20	30 20		30 20
Paving Footways		41 36	77 96	77 96	
Inlets to Sewer, Baltimore Street and Frederick Avenue	750 00	750 00			
Inlets to Sewer, Fremont and Lanvale Streets	128 94	128 94			
Drain-pipe from Schools Nos. 8 and 30		1,071 05	1,071 05		1,071 05
" " Engine House No. 21		161 02	161 02		161 02
Macadamizing Sinclair Avenue		133 16			
Paving Gutter, Townsend Avenue		126 13			
" Madison Street		82 29	4,701 28	4,701 28	
" Mulberry Street		6 17			
" Little Forrest Street		476 46	20 76	20 76	
" Payson Street		42 74			
" Pulaski Street		42 82			
" Durkam Street		12 51			
" Girard Avenue		54 68			
" Alley		6 50			
" Twenty-one and One-half Street		587 39			
" Alley, McKim and Hillman Streets		46 98	111 56	111 56	
" Scott Street		57 82			
" Twenty-three and One-half Street		551 99	21 66	21 66	
" Alley, between Robinson Street and East Avenue		120 84			
" Alley, between Eighth and Ninth Streets		1,382 03			
" Lanvale Street		920 00	920 00	920 00	
" Northwest Street		1,237 37	1,242 24	1,242 24	
" Townsend Street		142 99	142 99		142 99
Amount carried forward	$201,218 13	$204,504 27	$13,930 99	$7,095 46	$6,835 53

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$201,218 13	$204,504 27	$13,930 99	$7,059 46	$6,835 53
Paving Carey Street		146 84	1,641 52	1,641 52	
" Calhoun Street		38 65	584 77	584 77	
" Mount Royal Avenue			78 49	78 49	
" Twenty-third Street		66 11			
" Twenty-first Street		26 63			
" Beason Street { Ord. 163,1893.		3,980 81	3,318 90	3,318 90	
" " 90,1894.			688 76		688 76
" North Avenue, " 100,1896.			8,071 85	8,071 85	
" Castle Street		70 32	224 28	224 28	
" Mount Street		1,048 99	1,053 74	1,053 74	
" Preston Street		7,015 96	550 77	550 77	
" North Avenue		32 27	3,868 69	3,868 69	
" Federal Street		233 34			
" Ridgely Street		1,650 08	2,318 97	2,318 97	
" Oliver Street		214 00			
" Cannon Street		4,554 58	996 78	996 78	
" Richardson Street		22 75			
" Covington Street		3,870 62	839 48	839 48	
" Baker Street		2,706 24	521 52	521 52	
" Montford Avenue		47 60	45 38	45 38	
" Bayard Street		6,546 90	6,562 13	6,562 13	
" Bruce Alley		2,091 37	2,117 77	2,117 77	
" Fulton Avenue			82 17	82 17	
" Collington Avenue		15 30			

Paving Druid Hill Avenue		13 92			
" Marshall Street		10 58			
" Park Avenue		8,214 85			
" Kirby's Lane		55 85	17 85	17 85	
" Luzerne Street		2,570 20	2,599 39	2,599 39	
" Lawrence Street		2,015 68	1,856 73	1,856 73	
" Marshall Street		1,466 36	1,226 85	1,191 44	35 41
Sale of old material			462 10		462 10
	$201,218 13	$253,231 07	$53,659 88	$45,638 08	$8,021 80

Park Commission.

(Expenses paid by Park Tax on Street Railway Companies.)

Park Board	$267,590 90	$266,449 98		$266,449 98
Harlem Park	2,496 09	2,500 00		2,500 00
Madison Square	1,268 86	1,400 00		1,400 00
Eastern Fountain	999 91	1,000 00		1,000 00
Franklin Square	1,177 26	1,200 00		1,200 00
Union Square	937 87	1,000 00		1,000 00
Perkins Spring Square	1,200 00	1,200 00		1,200 00
Park Place Squares	730 07	750 00		750 00
Lafayette Square	1,496 25	1,500 00		1,500 00
Amounts carried forward	$277,897 21	$276,999 98		$276,999 98

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources.
Amount brought forward		$277,897 21	$276,999 98		$276,999 90
Jackson Square		938 68	1,000 00		1,000 00
Mt. Vernon Place Squares		1,500 00	1,500 00		1,500 00
Broadway Squares, first division		1,935 10	2,000 00		2,000 00
" " second "		1,499 23	1,500 00		1,500 00
" " third "		1,896 68	1,900 00		1,900 00
Eutaw Squares, first division		1,445 79	1,600 00		1,600 00
" " second "		1,658 99	1,800 00		1,800 00
Ashland Square		92 77	100 00		100 00
Wilkens' Avenue Squares		1,997 74	2,000 00		2,000 00
Fulton Avenue Squares		1,996 97	2,000 00		2,000 00
Taney Place Squares		548 31	550 00		550 00
Mt. Royal Avenue Squares		937 45	1,000 00		1,000 00
		$294,344 92	$293,949 98		$293,949 98
General Expenditures. (Provided for by Tax Levy for Direct Tax.)					
City Council	$65,000 00	$60,761 60			
General Expense	1,800 00	1,791 65			
Mayoralty	1,300 00	1,180 69			
Salaries (not otherwise provided for)	52,700 00	52,434 02			
Public Printing	2,000 00	1,998 52	2 10		2 10

Interest on Temporary Loans	20,000 00	23,501 41			
" " Paving Certificates	219 15	219 15			
" " Stock Debt (provided for by special levies)	1,447,287 00	1,447,287 00	1,532,576 46	823,525 42	709,051 04
Ground Rents on City Property	48,500 00	48,320 97	532 00		532 00
Insurance on City Property	2,500 00	1,472 20			
New Assessment of Property	98,000 00	96,836 43			
Topographical Survey	8,654 16	6,610 39	624 50		624 50
Sewerage Commission	20,775 13	14,390 17			
Maryland Institute	9,000 00	9,000 00			
Ringing Mechanics' Bells	200 00	200 00			
Winding Maryland Institute Clock	75 00	75 00			
Transportation to House of Correction	250 00	237 50			
Dog Pound	1,300 00	968 85	315 41		315 41
General Licenses	1,000 00	675 90	65,831 83		65,831 83
Assistant to Examiner of Titles	1,200 00	1,200 00			
Hose for Various Markets	500 00	441 15			
Underground Wires	7,877 13	7,732 61	1,185 23		1,185 23
Enoch Pratt Free Library Fund (deficit)	497 50	497 50			
Pension Account, W. H. War	260 00	260 00			
Veteran Volunteer Firemen's Association	500 00	500 00			
Refunded Taxes	4,000 00	1,997 93			
F. H. Davidson, Resolution 22, 1897	50 13				
Armory for Fourth Regiment, M. N. G.	35,000 00	35,000 00			
Lot for Colored School No. 3	2,000 00	2,000 00			
Wharfage		8,338 45	33,249 02		33,249 02
Amount carried forward	$1,832,445 20	$1,825,929 09	$1,634,316 55	$823,525 42	$810,791 13

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources.
Amount brought forward	$1,832,445 20	$1,825,929 09	$1,634,316 55	$823,525 42	$810,791 13
Cross-street Hall		97 14	393 10		393 10
Hollin's Hall		71 25	182 00		182 00
Interest on Taxes			39,980 55	39,980 55	
Inspector of Gas and Oils, Livery		7 20			
Tax Sales		3,440 58	1,053 71		1,053 71
Intestate Estates			55		55
Turnpike Dividends			316 00		316 00
Stocks and Bonds			128,590 66	128,590 66	
Tax on Incomes from Mortgages			4,717 06	4,717 06	
Mary Talbot, Resolution 74, 1897	400 00	400 00			
Alfred Mason, Resolution 75, 1897	270 00	270 00			
First Naval Battalion	2,500 00	2,500 00			
Fifth Regiment, M. N. G.	3,000 00	3,000 00			
Charter Commission	322 60	322 60			
Liquor Licenses			410,239 93		410,239 93
Auction Duties			7,735 16		7,735 16
Direct Tax			1,479,361 05	1,479,361 05	
Temporary Loans		4,619,000 00	3,938,000 00		3,938,000 00
Paving Certificates		1,885 74	9,323 00		9,323 00
Opening Streets		163,910 43	217,026 86	217,026 86	
Telephone Conduits			6,653 56		6,653 56
State Tax on City Loans	45,000 00	46,674 55	7,145 61		7,145 61
City Seal			20 70		20 70
Conscience Fund			37 00		37 00

Gay-street Rents			156	68	689	67		689 67
Hollins-street Rents					106	95		106 95
Free Text Books for Public Schools, White			50,182	11	45.158	87		45,158 87
Free Text Books for Public Schools, Colored			5,849	19	7,568	74		7,568 74
Belair Market			506	00	9,978	93		9,978 93
Canton Market			175	16	491	55		491 55
Centre Market			646	50	5,696	25		5,696 25
Cross-street Market			312	00	4,432	00		4,432 00
Fell's Point Market			520	20	6,696	45		6,696 45
Hanover Market			435	96	4,075	30		4,075 30
Hollins Market			324	00	3,669	10		3,669 10
Lafayette Market			275	77	2,731	07		2,731 07
Lexington Market			684	30	14,398	15		14,398 15
Northeast Market			340	35	1,639	50		1,639 50
Richmond Market			406	05	4,033	65		4,033 65
Unclaimed Damages for Opening Streets					22	50		22 50
Heating Apparatus at Jail			4,991	06				
Water Board			1,046,629	49	1,016,619	17		1,016,619 17
General Sinking Fund			214,002	38	214,002	38	214,002 38	
Water 1916 Loan Sinking Fund			49,857	17	49,857	17	49,857 17	
" 1922 " "			12,464	29	12,464	29	12,464 29	
" 1926 " "			26,596	86	26,596	86	26,596 86	
Internal Improvement 1928 Loan Sinking Fund			79,790	66	79,790	66	79,790 66	
Public Improvement 1940 Loan Sinking Fund			53,151	63	53,151	63	53,151 63	
Amount carried forward	$1,883,937	80	$8,215,806	39	$9,448,963	89	$3,129,064 59	$6,319,899 30

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources.
Amount brought forward	$1,883,937 80	$8,215,806 39	$9,448,963 89	$3,129,064 59	$6,319,899 30
Four Million Loan Sinking Fund		13,246 89	13,246 89	13,246 89	
Funding 1936 Loan Sinking Fund		18,360 43	18,360 43	18,360 43	
Water Tax		206 29	206 29	206 29	
Internal Improvement 1928 Loan		94,003 66			
Public Improvement 1940 Loan		1,071 00	535,471 00		535,471 00
Four Million 1945 Loan		21,844 75	707,244 75		707,244 75
Funding 1936 Loan		83,925 99	1,537,155 41		1,537,155 41
	$1,883,937 80	$8,448,465 40	$12,260,648 66	$3,160,878 20	$9,099,770 46
Opening Streets. (Provided for by Tax Levy for Opening Streets).					
Opening 70-foot (E. Fayette) Street	$25,726 91	$32,632 35	$34,451 42	$$34,451 42	
" St. Paul Street		248 46			
" Fairmount Avenue	12,631 67	19,703 02	21,976 22	21,976 22	
" Tenth (Holmes) Street	5,190 51	2,200 00	6,813 13	6,813 13	
" Ludlow Street	3,659 74	5,900 22	6,192 46	6,192 46	
" Ensor Street	19,548 10	16,168 10	19,889 10	19,889 10	
" Burrow Street	1,250 60	1,343 33	1,688 10	1,688 10	
" Lanvale Street	11,170 53	19,001 00	18,326 89	18,326 89	
" Smallwood Street		390 51			

Opening Nanticoke Street	2,549 23	$4,431 68	4,019 91	4,019 91	
" Paca Street	946 60	462 55	946 60	946 60	
" Townsend Street	3,656 92	9,873 74	10,482 67	10,482 67	
" Chew Street		275 78	458 14	458 14	
" Cleveland Street	1,965 29	3,358 33	3,705 29	3,705 29	
" Clarkson Alley		8 50			
" Patterson Avenue	3,543 76	4,977 50	6,501 61	6,501 61	
" Collington Avenue			413 00	413 00	
" Ten foot Alley, McKim and Hillman Streets	89 91		89 91	89 91	
" Patuxent Street		69 75	494 01	198 75	295 26
" Bouldin Alley	469 83	612 50	500 46	500 46	
" Chesapeake Street		110 51			
Amount carried forward	$92,399 60	$121,767 83	$136,948 92	$136,653 66	$295 26

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources.
Amount brought forward	$92,399 60	$121,767 83	$136,948 92	$136,653 66	$295 26
Opening Jefferson Street	6,180 93	10,154 55	10,700 93	10,511 86	189 07
" Chesapeake Street		88 38			
" Grove Street		114 61			
" Dallas Street	383 43	50 00	383 43	383 43	
" Glover Street		172 90			
" Chase Street		66 75			
" Forrest Street	307 92	258 60	677 92	307 92	370 00
" Clement Street	2,328 35	4,055 56	6,738 31	6,738 31	
" Florence Street		497 00			
" Maryland Avenue		19 95			
" Rose Street	11,179 17	19,519 29	20,066 93	20,066 93	
" Hollins Street, Old City Limits to Calverton Road	79 02		79 02	79 02	
Opening Hollins Street, Old City Limits to Catherine Street	2,809 45	3,375 00	4,017 45	3,757 45	260 00
Opening Carroll Street	1,448 31	2,832 52	2,770 33	2,770 33	
" Port Street	7,914 67	10,295 68	10,689 35	10,689 35	
" Burke Street	71 46		959 46	959 46	
" Myrtle Avenue	10,487 39	16,880 50	17,259 76	17,259 76	
" Jefferson Street, Patapsco Street to M. E. Burial Ground		20 52			
Opening Patapsco Street	715 14	159 38	715 14	715 14	
" 10 Foot Alley, Eden and Spring Streets		65 75	52 75	52 75	

Opening Lanvale Street		106 93			
" Bayard Street	3,533 60	6,212 80	6,406 30	6,406 30	
" Morris Street		465 30			
" Port Alley		128 78			
" Beason Street		141 23			
" West Street		11 30			
" Dallas Street		42 80			
" Porter Street		159 18			
" Francis Street		226 00			
" South Paca Street		92 94			
" Baltimore Street, West		61 88			
" Northwest Street		190 67			
" Hoffman Street		170 55			
" Marshall Street		155 97			
" Stevenson Street		198 59			
" Cooksie Street	75 00		75 00	75 00	
" Etting Street	48 77		48 77	48 77	
" Barnum (9th) Street	136 33		136 33	136 33	
" Madison Street	890 32		890 32	890 32	
" Brunt Street	606 53		606 53	606 53	
Closing Gilmor's Lane		300 18			
" Whitelock Lane		134 96	301 13	301 13	
" Birkhead Street		225 33			
" Fourth Street		81 18	215 00	215 00	
Widening Gay Street	22,315 04	44,824 51	35,320 04	30,032 54	5,287 50
" East and Chestnut Str'ts		987 44	118 75	118 75	
	$163,910 43	$245,313 29	$256,177 87	$249,776 04	$6,401 83

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources.
Internal Improvement 1928 *Loan.*					
Drainpipe, Elm Street		$589 37			
Building Annex School No. 3		2,513 47			
Fulton Avenue Sewer		227 03			
Pulaski and Franklin Street Sewer		197 63			
Pulaski Street Sewer		556 06			
		$4,083 56			
Public Improvement 1940 *Loan.*					
Wilkens Avenue Bridge		$26,459 32			
New Court House		463.177 11			
Repaving Aliceanna Street		342 11			
" Patterson Avenue		31,461 78			
" Broadway		11 89			
Building Baltimore City College		7,066 50			
Clifton Avenue Sewer		4,582 72			
Druid Hill Avenue Sewer		4,928 71			
Fremont Avenue "		167 84			
Bruce Alley "		561 49			
Charles Street "		233 80			
Charles Street " Extension		4,870 62			
Patapsco Street "		226 42			

Alluvion Street Sewer		24,821 64			
Presstman Street "		161 49			
Beason Street "		3,056 27			
Greene to Pearl St. "		13 58			
Eager Street "		12,100 14			
Henrietta Street "		819 52			
Camden Street "		609 39			
Stockholm Street "		9,971 75			
Lanvale and Stricker Street Sewer		15,555 14			
		$611,199 23			
Four Million 1945 *Loan.*					
Extension of Water Supply		$716,984 55	$378 51		$378 51
Water 1894 *Loan.*					
Permanent Water Supply		$437 32			
Jones Falls 1900 *Loan.*					
Ramsay Street Bridge		$164 62			
Patterson Park Extension Loan.					
Patterson Park Extension		$101 18			
Harford Run Loan.					
Improvement of Harford Run		$38 64			

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received From Collector of Taxes.	Received From Other Sources.
ANNEX ACCOUNTS.					
General Superintendent of Lamps, Annex.					
(Provided for by Tax Levy for Direct Tax).					
Gas	$22,735 00	$21,484 52			
Gasoline	8,796 00	8,733 24			
Electric Lights	6,340 00	6,245 04			
Lamplighters' salaries	17,842 00	17,138 85			
	$55,713 00	$53,601 65			
Health Department, Annex.					
(Provided for by Tax Levy for Direct Tax).					
Salaries	$3,800 00	$3,782 64			
Fire Department, Annex.					
(Provided for by Tax Levy for Direct Tax).					
Salaries	$43,300 00	$43,296 91			
Expenses	28,550 00	28,474 58			
Water fot Fire Plugs at Carroll	250 00	250 00			
Lot for Engine House No. 21	2,500 00	2,500 00			
	$74,600 00	$74,521 49			

Inspector of Buildings Department, Annex. (Provided for by Tax Levy for Direct Tax).		
Salaries	$1,200 00	$1,200 00
Livery	200 00	200 00
Repairs to City Property	4,000 00	3,994 73
Building Grammar and Primary School No. 18	41,053 05	37,038 28
Building Annex School No. 3	45,331 10	42,187 70
" Engine House No. 20	1,408 04	725 50
" " " No. 21	15,000 00	13,940 11
	$108,192 19	$99,286 32
Department of Street Cleaning, Annex. (Provided for by Tax Levy for Direct Tax).		
Garbage Carts and Men	$18,720 00	$16,869 00
Street Carts and Men	9,360 00	4,995 00
Sweepers and Scrapers	10,400 00	6,585 60
Tools	125 00	113 06
Salary of Superintendent	1,000 00	1,000 00
	$39,605 00	$29,562 66

STATEMENT D—Continued.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other Sources.
City Commissioner's Department, Annex.					
(Provided for by Tax Levy for Direct Tax.)					
Repairs of streets, roads, etc.	$20,000 00	$18,555 53	$9 56		$9 56
Macadamizing Augusta Avenue	1,089 00	1,089 00			
	$21,089 00	$19,644 53	$9 56		$9 56
Public Schools, Annex.					
(Provided for by Tax Levy for Public Schools.)					
Salaries	$130,000 00	$129,893 50			
Expenses	25,700 00	24,893 40			
	$155,700 00	$154,786 90			
Miscellaneous, Annex.					
(Provided for by Tax Levy for Direct Tax.)					
Interest			$1,444 28	$1,444 28	
Direct Tax			188,058 30	188,058 30	
Stocks and Bonds			14,317 16	14,317 16	
			$203,819 74	$203,819 74	

SUMMARY.

City Accounts.

Courts, etc	$276,800 00	$281,773 32	$221,895 81	$210,142 19	$11,753 62
Schools	1,116,298 00	1,096,487 77	1,192,333 48	973,655 28	218,678 20
Police Department	837,270 00	837,270 00	774,683 42	774,683 42	
Fire Department	395,500 00	395,424 80	603 60		603 60
Health Department	83,700 00	85,371 95	15,109 79		15,109 79
Harbor Commission	76,453 79	70,631 34	191 00		191 00
Department of Street Cleaning	349,787 05	344,913 24	1,007 45		1,007 45
General Superintendent of Lamps	356,094 50	348,075 22	3,885 90		3,885 90
Superintendent of Public Buildings	41,900 00	41,870 54	2 50		2 50
City Library	8,299 54	8,212 94	324 86		324 86
Commissioners for Opening Streets	10,100 00	9,979 61			
City Collector's Department	59,400 00	59,092 76	4 62		4 62
Supervisors of Elections	31,800 00	29,574 04			
Liquor License Commission	15,000 00	14,608 44	5 28		5 28
City Poor, Hospitals, etc	383,240 00	374,581 42	332,432 79	330,770 01	1,662 78
Inspector of Buildings Department	143,239 37	124,665 48	7,286 00		7,286 00
City Commissioner's Department	201,218 13	253,231 07	53,659 88	45,638 08	8,021 80
Park Commission		294,344 92	293,949 98		293,949 98
General Expenditures	1,883,937 80	8,448,465 40	12,260,648 66	3,160,878 20	9,099,770 46
Opening Streets	163,910 43	245,313 29	256,177 87	249,776 04	6,401 83
Internal Improvement, 1928 Loan		4,083 56			
Public Improvement, 1940 Loan		611,199 23			
Four Million 1945 Loan		716,984 55	378 51		378 51
Amounts carried forward	$6,443,948 61	$14,696,154 89	$15,414,581 40	$5,745,543 22	$9,669,038 18

STATEMENT D—Concluded.

Name of Account.	Appropriation.	Face of Ledger. Dr.	Face of Ledger. Cr.	Received from Collector of Taxes.	Received from Other sources.
Amount brought forward	$6,433,948 61	$14,696,154 89	$15,414,581 40	$5,745,543 22	$9,669,038 18
Water 1894 Loan		437 32			
Jones' Falls 1900 Loan		164 62			
Patterson Park Extension Loan		101 18			
Harford Run Loan		38 64			
	$6,433,948 61	$14,696,896 65	$15,414,581 40	$5,745,543 22	$9,669,038 18
Annex Accounts.					
General Superintendent of Lamps	$55,713 00	$53,601 65			
Health Department	3,800 00	3,782 64			
Fire Department	74,600 00	74,521 49			
Inspector of Building's Department	108,192 19	99,286 32			
Department of Street Cleaning	39,605 00	29,562 66			
City Commissioner's Department	21,089 00	19,644 53	$9 56		$9 56
Public Schools	155,700 00	154,786 90			
Miscellaneous			$203,819 74	203,819 74	
	$458,699 19	$435,186 19	$203,829 30	$203,819 74	$9 56

Summary of Totals for City and Annex Accounts.

City Accounts	$6,433,948 61	$14,696,896 65	$15,414,581 40	$5,745,543 22	$9,669,038 18
Annex Accounts	458,699 19	435,186 19	$203,829 30	203,819 74	9 56
	$6,892,647 80	$15,132,082 84	$15,618,410 70	$5,949,362 96	$9,669,047 74
Cash on hand December 31, 1896			379,174 95		
Cash on hand December 31, 1897		865,502 81			
Totals for 1897	$6,892,647 80	$15,997,585 65	$15,997,585 65	$5,949,362 96	$9,669,047 74

STATEMENT E.

Statement showing the monthly returns of the Keeper of the Standards of Weights and Measures from March 1 to December 31, 1897:

For all Districts.

March	$1,492 98
April	1,549 49
May	1,304 89
June	1,304 64
July	543 90
August	197 94
September	56 65
October	79 18
November	63 40
December	39 75
	$6,362 82

STATEMENT F.

Funds held in trust by the City Register for property sold for taxes December 31, 1897:

Consolidated Three-and-a-half Per Cent. 1930 Loan	$12,071 04	
Public Improvement Three-and-a-half Per Cent. 1940 Loan	3,700 00	
		$14,771 04
Water Five Per Cent. 1916 Loan		700 00
Jones' Falls Six Per Cent. 1900 Loan		4,000 00
Jones' Falls Three-and-sixty-five-one-hundredth Per Cent. 1900 Loan		2,100 00
Harford Run Four Per Cecnt. 1920 Loan		200 00
Cash		312 89
		$22,083 93

REPORT OF THE

DEPARTMENT OF FINANCE

FOR THE YEAR 1897.

REPORT.

DEPARTMENT OF FINANCE,

BALTIMORE, December 31, 1897.

To the Honorable the Members of the First and Second Branches of the City Council of Baltimore:

GENTLEMEN: The Commissioners of Finance have the honor to submit herewith for your consideration statements in detail, exhibiting their transactions during the current year as follows:

1. A summary of receipts and payments on account of the various sinking funds.
2. A statement showing the purchases of stocks.
3. A statement of the condition of the various sinking or redemption funds.
4. A statement of the condition of the Enoch Pratt Free Library Fund.
5. A statement of the condition of the Horwitz Benevolent Fund.
6. A statement of the condition of the Frederick Raine Fund.
7 A schedule of real estate and ground rents from which income is derived.
8. A balance sheet of the sinking funds' ledger.
9. A statement of the funded and guaranteed debt.
10. A statement showing the indebtedness of the Western Maryland R. R. Co. to the Mayor and City Council of Baltimore.

The matters embraced in the foregoing are exhibited under their respective heads in a detailed form in the Appendix to this report.

1—*Receipts and Payments.*

The receipts have been derived as follows:	
From cash to credit of sinking funds December 31, 1896	$101,000 01
From interest on stocks and investments	179,021 12
" rental of real estate	28,995 42
" " " Hillen Station	16,000 00
" " " Western Maryland Railroad Terminal Company Depot	9,181 47
Amount carried forward	$334,198 02

Amount brought forward	$334,198 02	
From sales of $52,800 of various stocks in funds to Commissioners of Finance and by them distributed to various funds, so that as far as possible each fund shall contain its special stock	54,560 00	
From premium on sales of $20,400, Public Improvement 1940 Loan	1,071 00	
From premium on sales of $457,500, Four Million 1945 Loan	21,844 75	
From net premium on sales of $1,453,300, Funding 1936 Loan	79,616 62	
From surplus of net proceeds of sales of $1,453,300, Funding 1936, after floating debt was extinguished	70 58	
From Permanent Water Supply, unexpended balance	437 32	
From Ramsay-street Bridge, unexpended balance	164 62	
From sale of lot corner Hillen street and Jones' Falls	200 00	
From Internal Improvement 1928 Loan, unexpended balance	94,003 66	
From Water Board, on account of surplus	140,000 00	
From City Collector, for General Sinking Fund	214,002 38	
From City Collector, for Internal Improvement 1928 Loan Sinking Fund	79,790 66	
From City Collector, for Water 1926 Loan Sinking Fund	26,596 86	
From City Collector, for Public Improvement 1940 Loan Sinking Fund	53,151 63	
From City Collector, for Water 1916 Loan Sinking Fund	49,857 17	
From City Collector, for Four Million 1945 Loan Sinking Fund	13,246 89	
From City Collector, for Water 1922 Loan Sinking Fund	12,464 29	
From City Collector, for Funding 1936 Loan Sinking Fund	18,360 43	
From Park Board, 5 per cent. on receipts of park tax for 1897	12,453 28	
From executors of Frederick Raine's estate	418 70	
From Mayor and City Council, for Enoch Pratt Free Library Fund	497 50	
		$1,207,006 36
The payments have been as follows:		
For investment purchases, including amount purchased from Commissioners of Finance, to transfer to various sinking funds the special stocks belonging to them	$900,034 50	
Amounts carried forward	$900,034 50	$1,207,006 36

Amounts brought forward	$900,034 50	$1,207,006 36
For interest on Western Maryland Railroad Six Per Cent. 1902 Loan	60,000 00	
For interest on Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds	52,500 00	
For redemption of Park Improvement Six Per Cent. 1895 Loan	3,000 00	
For redemption of One Million Six Per Cent. 1886 Loan	630 50	
For redemption of Consolidated Six Per Cent. 1890 Loan	610 98	
For redemption of Consolidated Six Per Cent. 1893 Loan	300 00	
For purchase of ground rent under Ordinance No. 81, 1881	2,500 00	
For accrued rent on ground rent purchased	24 87	
For payment of annuity to Enoch Pratt Free Library	50,000 00	
For advance made to Conduit 1922 Loan Sinking Fund to prepare engraving for certificates and purchase of books	1,491 25	
For certificates for Funding 1936 Loan	2,292 50	
For accrued interest on $500,000 Public Improvement 1940 Loan, sold November 30, 1896	7,300 00	
For sundry expenses	439 72	
		1,081,124 32
Balance to credit of Sinking Funds, December 31, 1897		$125,882 04

2—Investment Purchases of Stock.

This statement is submitted in obedience to Article 47, Section 13, Baltimore City Code, and exhibits in detail the purchases of stock during the current year, amounting to $884,450, the total cost of the purchases being	$900,034 50

3—The Sinking Funds for the Redemption of the Public Debt.

General Sinking Fund	1,906,255 80
W. M. R. R. Terminal Company Sinking Fund	24,937 76
Hillen Station Sinking Fund	66,910 66
W. M. R. R. 1925 Loan Sinking Fund	70,449 99
W. M. R. R. 1927 Loan Sinking Fund	140,909 12
Internal Improvement 1928 Loan Sinking Fund	801,810 24
Public Improvement 1940 Loan Sinking Fund	272,178 35
Water 1916 Loan Sinking Fund	397,361 22
Four Million 1945 Loan Sinking Fund	110,124 96
Water 1922 Loan Sinking Fund	162,295 72
Public Park Sinking Fund	9,831 98
Public Park (Clifton) Sinking Fund No. 2	28,578 67
Water 1926 Loan Sinking Fund	287,782 85
Funding 1936 Loan Sinking Fund	96,971 16
	$4,376,398 48

4.—*Enoch Pratt Free Library Fund.*

This statement shows the condition of the Enoch Pratt Free Library Fund on December 31, 1897, under the control of the Commissioners of Finance, who were required "to invest the interest upon the investments in the sinking fund, and the interest upon the interest, as the same shall be received, in the public debt of the City of Baltimore, until the annual income from said investments shall reach the sum of fifty thousand dollars." In the meantime the Mayor and City Council were required to pay the annuity of fifty thousand dollars by tax levy. "When the said annual income upon the investments in the sinking fund shall reach the sum of fifty thousand dollars, the making of said investments for said purpose shall cease, and the said annual income of fifty thousand dollars arising therefrom shall be thereafter appropriated and applied to the payment of the annuity of fifty thousand dollars to the Trustees of the Enoch Pratt Free Library of Baltimore City, and all taxation for the purpose of raising said annuity of fifty thousand dollars for such purpose shall cease and be discontinued."

The above-named law was compiled with, and in 1892 taxation, for the purpose mentioned, ceased, because the income from investments amounted to $50,341. The redemption of maturing five and six per cent. loans contained in the fund, and the reinvestment of the amount in stock bearing only three-and-a-half per cent. interest has reduced the income to $49,502.50.

It will therefore be necessary for the Mayor and City Council to raise by taxation the sum of $497.50 to supply the deficiency existing in the annual income.

5.—*The Horwitz Benevolent Fund.*

This statement shows the condition of the Horwitz Benevolent Fund under the management of the Commissioners of Finance, who on December 28, 1888, under authority of Resolution No. 7 of 1888, accepted from the executors of Orville Horwitz, deceased, the sum of ten thousand dollars ($10,000), which, with its increments, is in the said last will and testament directed to be known as the "Horwitz Benevolent Fund."

6.—*The Frederick Raine Fund.*

This statement shows the condition of the Frederick Raine Fund under the control of the Commissioners of Finance, who on November 6, 1897, under authority of Resolution No. 51 of 1897, accepted from the executors of the estate of Frederick Raine, deceased, four hundred dollars (and accrued interest amounting to eighteen dollars and seventy cents), which amount has been invested in city stock; "the interest on two hundred dollars thereof to be annually expended for a medal to be known as the Frederick Raine Medal, and to be presented to the student in Baltimore City College who shall be adjudged by the methods of determining merit practiced in said college to be most proficient in the study of the German language and German literature," and "the interest on two hundred dollars thereof to be annually expended for a medal known as the Frederick Raine Medal, and to be presented to the student in the Maryland Institute for the Promotion of the Mechanic Arts, who shall be adjudged by the methods

of determining merit practiced in said institute to be most proficient in mechanical drawing;" according to the terms of the last will and testament of said Frederick Raine, deceased.

7.—Real Estate and Ground Rents.

The schedule of real estate and ground rents presented in this form for convenience of reference embraces only so much of the city property as is in control, and shown upon the books of the Commissioners of Finance, and from which income is derived from rentals.

The income derived from public wharves and market houses being applied to current expenses does not appear in these accounts (Section 14, Article 47, Baltimore City Code).

8.—Balance Sheet of Sinking Funds' Ledger.

This statement shows the uninvested cash balance belonging to the sinking fund, which on December 31, 1897, amounted to $125,882.04.

Increment of Sinking Funds.

The increment of the sinking funds from December 31, 1896, to December 31, 1897, amounting to			$858,559 64
was derived thus:			
From interest upon investments		$125,252 55	
From rental of Hillen Station	$16,000 00		
Less amount set apart in sinking fund	2,000 00		
		14,000 00	
From rental of Western Maryland Railroad Terminal Company Depot	$9,181 47		
Less amount set apart in sinking fund	1,311 60		
		7,869 87	
From rental of real estate		28,995 42	
From premium on sales of various stocks in sinking funds		1,760 00	
From premium on sales of $20,400 Public Improvement 3½ Per Cent. 1940 Loan		1,071 00	
From premium on sales of $457,500 Four Million 3½ Per Cent. 1945 Loan		21,844 75	
From net premium on sales of $1,453,300 Funding 3½ Per Cent. 1936 Loan		79,616 62	
From surplus of net proceeds of sale of $1,453,300 Funding 1936 Loan		70 58	
From Permanent Water Supply, unexpended balance		437 32	
From Ramsay Street Bridge, unexpended balance		164 62	
From sale of lot corner Hillen Street and Jones' Falls		200 00	
Amount carried forward		$281,282 73	

Amount brought forward	$281,282 73	
From Internal Improvement 1928 Loan, unexpended balance	94,003 66	
From Water Board, on account of surplus.	140,000 00	
From City Collector, for sinking funds	467,470 31	
From Park Board, 5 Per Cent. on Park Tax received in 1897	12,453 28	
Amount advanced Conduit 1922 Loan Sinking Fund	1,491 25	
		996,701 23
From which deduct:		
Interest paid for Western Maryland Railroad Company on Western Maryland Railroad 1902 Loan	$60,000 00	
Interest paid for Western Maryland Railroad Company on Western Maryland Railroad Third Mortgage Bonds	52,500 00	
Premium on purchases of stock	15,584 50	
Accrued rent on ground rent purchased	24 87	
Certificates of Funding 1936 Loan	2,292 50	
Accrued interest on $500,000 Public Improvement 1940 Loan sold November 30, 1896	7,300 00	
Sundry expenses	439 72	
		138,141 59
		$858,559 64

And disbursed as shown by Statement No. 1 of Appendix.

9—*Funded and Guaranteed Debt.*

The issues on December 31, 1897, amount to			$36,170,576 95
On December 31, 1896, they amounted to			33,502,018 43
Showing an increase during the year of			$2,668,558 52
Thus:			
Amount of Public Improvement Three-and-a-half Per Cent. 1940 Loan issued		$534,400 00	
Amount of Four Million Three-and-a-half Per Cent. 1945 Loan issued		685,400 00	
Amount of Funding Three-and-a-half Per Cent. 1936 Loan issued		1,453,300 00	
		$2,673,100 00	
Less:			
Amount of Park Improvement 1895 Loan redeemed	$3,000 00		
Amount of One Million 1886 Loan redeemed	630 50		
Amount of Consolidated 1890 Loan redeemed	610 98		
Amount of Consolidated 1893 Loan redeemed	300 00		
		4,541 48	
			$2,668,558 52

Increase of Funded Debt Authorized, but not yet Issued, and in the City Treasury.

Public Improvement Three-and-a-half Per Cent. 1940 Loan Ordinance 100, 1892...	$715,600 00	
Four Million Three-and-a-half Per Cent. 1945 Loan Ordinance 137, 1894.....	2,579,500 00	
Conduit Three-and-a-half Per Cent. 1922 Loan Ordinance 120, 1896.....	1,000,000 00	
		4,295,100 00

The Financial Condition of the Corporation.

Amount of Funded Debt December 31, 1897.....	$35,295,576 95	
Amount of Guaranteed Debt December 31, 1897.....	875,000 00	
		36,170,576 95
Of this amount interest is provided or paid as follows:		
Water Board, upon.....	$7,198,000 00	
Park " "	922,500 00	
Western Maryland Railroad Company, upon	2,388,000 00	
Commissioners of Finance, upon.....	1,875,000 00	
Overdue Stock, no interest allowed.....	19,376 95	
		12,402,876 95
Leaving the amount on which interest is paid by taxation at.....		$23,767,700 00

Productive Investments.

Mortgage on Western Maryland Railroad Company.....	$2,388,000 00	
Face value of sinking funds	4,376,398 48	
Value of water works	10,500,000 00	
550 shares Baltimore and Reisterstown Turnpike Stock	2,062 50	
137 shares Baltimore and Frederick Turnpike Stock	156 66	
		$17,266,917 64
Real estate, annual rental.. $10,225 11		
Market property, " .. 45,000 00		
Wharf " " .. 20,000 00		
$75,225 11		
Capitalized at 6 per cent.....		1,253,751 83
		$18,520,669 47

Unproductive Investments.

Mortgages on Western Maryland Railroad Company	$1,875,000 00	
Accrued interest paid for Western Maryland Railroad Company	3,630,937 09	
4,000 shares Western Maryland Railroad Company Stock, cost	200,000 00	
10,000 shares Valley Railroad Company Stock, cost	1,000,000 00	
130 shares Baltimore and Havre de Grace Turnpike Stock	3,000 00	
625 shares Baltimore and York Turnpike Stock	3,125 00	
		6,712,062 09
Besides other property, such as Court Houses, City Hall, Jail, Police Stations, Engine Houses and Apparatus, School Houses, Almshouse, Ice-boats, Quarantine Station, Public Parks, Squares, etc., valued at		10,000,000 00
		$16,712,062 09

The foregoing statement does not embrace any items connected with current receipts and expenditures, but refers only to the stock and bond liabilities of the corporation, and to investments specially set apart for the redemption of the same. The accounts now submitted for your consideration exhibit in detail all the transactions of the Commissioners of Finance of the current fiscal year.

They show the receipts to have been		$1,207,006 36
And the payments to have been		1,081,124 32
Balance in banks to credit of sinking funds		$125,882 04
The value of the sinking funds on December 31, 1897, is		$4,376,398 48
The value of the sinking funds on December 31, 1896, was		3,523,871 57
Showing an increase during the year of		$852,526 91
Derived thus:		
Increment of the funds during the year	$858,559 64	
Less:		
Redemption of loans $4,541 48		
Amount advanced Conduit Loan Sinking Fund 1,491 25		
	$6,032 73	
		$852,526 91

A sale of $1,453,300 Funding Three-and-one-half Per Cent. 1936 Loan was made by public advertisement, inviting competitive bids on February 2, 1897, at $105.77.

Sales were made during the year of $20,400 Public Improvement Three-and-one-half Per Cent. 1940 Loan at $105.25, and $457,500 Four Million Three-and-one-half Per Cent. 1945 Loan at $104.77.

The Commissioners of Finance took for the sinking funds during the year $227,900 of Four Million Three-and-one-half Per Cent. 1945 Loan and $514,000 of Public Improvement Three-and-one-half Per Cent. 1940 Loan at par.

Respectfully submitted.

WM. T. MALSTER, *Mayor,*
JOHN B. RAMSAY, } *Commissioners of Finance.*

WM. F. STONE, *Clerk to Commissioners of Finance.*

APPENDIX.

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

To balance December 31, 1896		$101,000 01
To General Sinking Fund.		
From interest on stocks, bonds and investments	$ 52,704 00	
From rental of real estate	28,995 42	
From City Collector by tax levy	214,002 38	
From seven-eighths rental of Hillen Stat'n	14,000 00	
From six-sevenths rental of Western Maryland Railroad Terminal Co. Depot	7,869 87	
From permanent water supply account, unexpended balance	437 32	
From Ramsay-street bridge account, unexpended balance	164 62	
From sale of 21,100 Western Maryland Railroad Three-and-a-quarter Per Cent. 1927 Loan at 97	20,467 67	
From sale of lot at corner Hillen street and Jones' Falls	200 00	
		338,840 61
To Western Maryland Railroad Terminal Company's Sinking Fund.		
From interest on stock	$ 916 59	
From one-seventh rental of depot property	1,311 60	
		2,228 19
To Hillen Station Sinking Fund.		
From interest on stocks	$2,695 05	
From one-eighth rent of station property	2,000 00	
		4,695 05
To Western Maryland Railroad 1925 Loan Sinking Fund.		
From interest on stocks	$2,639 17	
From sale of $100 Jones' Falls Six Per Cent. 1900 Loan	108 00	
From sale of $2,800 Funding Six per Cent. 1900 Loan	2,982 00	
From sale of $2,600 Western Maryland Railroad Six Per Cent. 1902 Loan	2,873 00	
From sale of $2,700 City Hall Six Per Cent. 1902 Loan	2,875 50	
From sale of $3,300 City Hall Six Per Cent. 1900 Loan	3,514 50	
From sale of $800 Jones' Falls 3.65 Per Cent. 1900 Loan	808 00	
		$15,800 17
Amount carried forward		$462,564 03

No. 1.

THE MAYOR AND CITY COUNCIL OF BALTIMORE. Cr.

By General Sinking Fund.

For redemption of Park Improvement Six Per Cent. 1895 Loan	$3,000 00	
For redemption of One Million Six Per Cent. 1886 Loan	630 50	
For redemption of Consolidated Six Per Cent. 1890 Loan	610 98	
For redemption of Consolidated Six Per Cent. 1893 Loan	300 00	
For $15,000 City Hall Six Per Cent. 1900 Loan	16,683 50	
For $11,000 Jones' Falls Six Per Cent. 1900 Loan	11,880 00	
For $1,500 Funding Five Per cent. 1916 Loan	1,860 00	
For $6,400 Western Maryland Railroad Six Per Cent. 1902 Loan	7,072 00	
For $6,500 City Hall Six Per Cent. 1902 Loan	6,496 50	
For $100 Jones' Falls Five Per Cent. 1900 Loan	105 50	
For $3,500 Funding Six Per Cent. 1900 Loan	3,727 50	
For $800 Jones's Falls 3.65 Per Cent. 1900 Loan	808 00	
For $300 Harford Run Four Per Cent. 1920 Loan	328 50	
For $173,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan	173,000 00	
For purchase of ground rent under Ordinance 81, 1881	2,500 00	
For accrued rent on ground rent purchased	24 87	
For interest paid on Western Maryland Railroad Six Per Cent. 1902 Loan	60,000 00	
For interest paid on Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds	52,500 00	
For rent of box at Safe Deposit and Trust Company	60 00	
For $50 Consolidated Three-and-one-half Per Cent. 1930 Loan	50 00	
For survey and plat of property 216 North Gay street	15 00	
For new seals and dies	38 00	
For advertising	36 40	
		341,727 25
Amount carried forward		$341,727 25

STATEMENT

Dr. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

Amount brought forward		$462,564 03
To Western Maryland Railroad 1927 Loan Sinking Fund.		
From interest on stocks	$4,549 12	
From sale of $3,000 Jones Falls Six Per Cent. 1900 Loan	3,240 00	
From sale of $700 City Hall Six Per Cent. 1900 Loan	745 50	
From sale of $1,500 Western Maryland Railroad Six Per Cent. 1902 Loan	1,657 50	
From sale of $700 Funding Six Per Cent. 1900 Loan	745 50	
From sale of $400 City Hall Six Per Cent. 1902 Loan	426 00	
		$11,363 62
To Internal Improvement 1928 Loan Sinking Fund.		
From interest on stocks	$24,461 51	
From unexpended balance from Internal Improvement 1928 Loan	94,003 66	
From City Collector by tax levy	79,790 66	
		198,255 83
To Water 1926 Loan Sinking Fund.		
From interest on stocks	$10,657 75	
" City Collector by tax levy	26,596 86	
From sale of $2,300 City Hall Six Per Cent. 1900 Loan	2,449 50	
From sale of $2,300 Western Maryland Railroad Six Per Cent. 1902 Loan	2,541 50	
From sale of $3,400 City Hall Six Per Cent. 1902 Loan	3,621 00	
From sale of $100 Jones Falls Pive Per Cent. 1900 Loan	105 50	
From sale of $5,000 Jones Falls Six Per Cent. 1900 Loan	5,400 00	
		51,372 11
To Public Improvement 1940 Loan Sinking Fund.		
From interest on stocks	$7,611 00	
From premium on sales of $20,400 Public Improvement 1940 Loan	1,071 00	
From City Collector by tax levy	53,151 63	
		61,833 63
To Water Five Per Cent. 1916 Loan Sinking Fund.		
From interest on stocks	$17,196 00	
From City Collector by tax levy	49,857 17	
		67,053 17
Amount carried forward		$852,442 39

No. 1—Continued. Cr.

THE MAYOR AND CITY COUNCIL OF BALTIMORE.

Amount brought forward		$341,727 25
By Western Maryland Railroad Terminal Company Sinking Fund.		
For $1,100 Public Improvement Three-and-one-half Per Cent. 1940 Loan	$1,100 00	
For $1,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan	1,000 00	
		2,100 00
By Hillen Station Sinking Fund		
For $1,300 Four Million Three-and.a-half Per Cent. 1945 Loan	$1,300 00	
For $1,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan	1,000 00	
For $2,200 Public Improvement Three-and-one-half Per Cent. 1940 Loan	2,200 00	
		4,500 00
By Westeau Maryland Railroad 1925 *Loan Sinking Fund.*		
For $15,100 Western Maryland Railroad Three-and-one-fourth Per Cent. 1927 Loan	$14,547 00	
For $1,300 Public Improvement Three-and-one-half Per Cent. 1940 Loan	1,300 00	
		15,847 00
By Western Maryland Railroad 1927 *Loan Sinking Fund.*		
For $5,000 Western Maryland Railroad Three and one-quarter Per Cent. 1927 Loan	$4,825 00	
For $100 Western Maryland Railroad Three and one-quarter Per Cent. 1927 Loan	96 50	
For $6,000 Western Maryland Railroad Three and one-quarter Per cent. 1927 Loan	5,920 00	
For $600 Public Improvement Three and one-half Per Cent. 1940 Loan	600 00	
		11,441 50
By Internal Improvement 1928 *Loan Sinking Fund.*		
For $18,000 Internal Improvement Three and one-half Per Cent. 1928 Loan	18,900 00	
For $3,000 Western Maryland Railroad Three and one-quarter Per Cent. 1927 Loan	2,932 50	
For $110,000 Four Million Three and one-half Per Cent. 1945 Loan	110,000 00	
For $88,000 Public Improvement Three and one-half Per Cent. 1940 Loan	88,000 00	
		219,832 50
Amount carried forward		$595,448 25

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

Amount brought forward		$852,442 39
To Four Million 1945 Loan Sinking Fund.		
From interest on stocks	$2,583 00	
" Premium on Sales of $257,500 Four Million Three and one-half Per Cent. 1945 Loan	12,331 25	
From Premium on Sales of $200,000 Four Million Three and one-half Per Cent. 1945 Loan	9,513 50	
From City Collector, by tax levy	13,246 89	
		37,674 64
To Water 1922 Loan Sinking Fund.		
From interest on stocks	$ 481 50	
" City Collector, by tax levy	12,464 29	
" Water Board, on account of surplus	140,000 00	
		152,945 79
To Funding 1936 Loan Sinking Fund.		
From interest on stocks	$ 1,389 50	
" Premium on Sale of $1,453,300 Funding 1936 Loan	79,616 62	
From surplus of net proceeds of sale of Stock	70 58	
From City Collector, by tax levy	18,360 43	
		99,437 13
To Public Park Sinking Fund No. 2.		
From interest on stocks	$ 647 50	
" Park Board, being five per cent. on receipts of park tax from City Passenger Railway Companies in 1897	12,453 28	
		13,100 78
To Enoch Pratt Free Library Fund.		
From interest on stocks	$49,502 50	
" Mayor and City Council, to supply deficiency in income	497 50	
		50,000 00
To Public Park Sinking Fund.		
From interest on stocks		332 50
To Horwitz Benevolent Fund.		
From interest on stocks		654 43
To Frederick Raine Fund.		
From executors of estate of Frederick Raine, deceased		418 70
		$1,207,006 36

No. 1—Continued.

THE MAYOR AND CITY COUNCIL OF BALTIMORE.		CR.
Amount brought forward		$595,448 25
By Water 1926 Loan Sinking Fund.		
For $11,200 Water Five Per Cent. 1916 Loan	$13,916 00	
For $10,700 Water Five Per Cent. 1916 Loan	13,294 75	
For $20,000 Public Improvement Three and one-half Per Cent. 1940 Loan	20,000 00	
For $4,200 Public Improvement Three and one-half Per Cent. 1940 Loan	4,200 00	
		51,410 75
By Public Improvement 1940 Loan Sinking Fund.		
For accrued interest on $500,000 Public Improvement 1940 Loan, sold November 30, 1896, paid to Mayor and City Council	7,300 00	
For $2,000 Public Improvement 1940 Loan	2,140 00	
For $12,100 Public Improvement 1940 Loan	12,100 00	
For $500 Public Improvement 1940 Loan	500 00	
For $31,000 Public Improvement 1940 Loan	31,000 00	
For $2,000 Public Improvement 1940 Loan	2,000 00	
For $3,500 Public Improvement 1940 Loan	3,500 00	
For Advertising for Proposals	58 43	
		58,598 43
By Water Five Per Cent. 1916 Loan Sinking Fund.		
For $16,900 Water Five Per Cent. 1916 Loan	$20,998 25	
For $200 Water Five Per Cent. 1916 Loan.	248 00	
For $7,600 Public Improvement Three and one-half Per Cent. 1940 Loan	7,600 00	
For $5,700 Funding Five Per Cent. 1916 Loan	7,080 50	
		35,926 75
By Four Million 1945 Loan Sinking Fund.		
For $4,800 Four Million Three-and-one-half Per Cent. 1945 Loan	$4,800 00	
For $600 Four Million Three-and-one-half Per Cent. 1945 Loan	600 00	
For $10,000 Four Million Three-and-one-half Per Cent. 1945 Loan	10,000 00	
For $11,500 Four Million Three-and-one-half Per Cent. 1945 Loan	11,500 00	
For advertising for proposals	58 42	
		26,958 42
Amount carried forward		$768,342 60

STATEMENT

Dr. The Commissioners of Finance in Account with

Amount brought forward.....	$1,207,006 36

$1,207,006 36

No. 1—Continued.

THE MAYOR AND CITY COUNCIL OF BALTIMORE. CR.

Amount brought forward		$768,342 60
By Water 1922 Loan Sinking Fund.		
For $3,400 Water Five Per Cent. 1916 Loan	$4,224 50	
For $147,600 Public Improvement Three-and-one-half 1940 Loan	147,600 00	
		151,824 50
By Funding 1936 Loan Sinking Fund.		
For $79,400 Four Million Three-and-one-half Per Cent. 1945 Loan	$79,400 00	
For $12,000 Public Improvement Three-and-one-half 1940 Loan	12,000 00	
For $1,300 Public Improvement Three-and-one-half 1940 Loan	1,300 00	
For certificates of stock	2,292 50	
For books	26 75	
For advertising for proposals	146 72	
		95,165 97
By Public Park Sinking Fund No. 2.		
For $3,300 Four Million 1945 Loan	$3,300 00	
For $6,800 Four Million 1945 Loan	6,800 00	
For $3,000 Public Improvement 1940 Loan	3,000 00	
		13,100 00
By Enoch Pratt Free Library Fund.		
For amount of annuity paid Enoch Pratt Free Library		50,000 00
By Public Park Sinking Fund.		
For $200 Public Improvement Three-and-one-half Per Cent. 1940 Loan		200 00
By Horwitz Benevolent Fund.		
For $400 Public Improvement Three-and-one-half Per Cent. 1940 Loan	$400 00	
For $200 Four Million Three-and-one-half Per Cent. 1945 Loan	200 00	
		600 00
By Conduit 1922 Loan Sinking Fund.		
For preparing engraving for certificates of stock	$1,475 00	
For books	16 25	
		1,491 25
By the Frederick Raine Fund.		
For $400 Public Improvement Three-and-one-half Per Cent. 1940 Loan		400 00
By balance, cash in bank to credit of sinking funds on December 31, 1897		125,882 04
		$1,207,006 36

STATEMENT No. 2.

Stocks purchased for Sinking Funds.—*Section* 13, *Article* 47, *Baltimore City Code.*

Date.	Amount Purchased.	Sinking Fund.	Description of Stock.	Amount Paid.
1897.				
Jan. 18...	$18,000	Internal Improvement 1928 Loan.	Internal Improv't 3½ Per Cent. 1928 Loan.	$18,900 00
Jan. 19...	5,100	West'n Maryland R. R. 1927 Loan.	West'n Maryl'd R. R. 3¾ Per Ct. 1927 Loan.	4,921 50
Feb. 11...	16,900	Water 1916 Loan	Water 5 Per Cent. 1916 Loan	20,998 25
Feb. 11...	3,400	Water 1922 Loan	Water 5 Per Cent. 1916 Loan	4,224 50
Feb. 11...	11,200	Water 1926 Loan	Water 5 Per Cent. 1916 Loan	13,916 00
Feb. 24...	5,000	Water 1916 Loan	Funding 5 Per Cent. 1916 Loan	6,212 50
Feb. 25...	700	Water 1916 Loan	Funding 5 Per Cent. 1916 Loan	868 00
Feb. 26...	8,800	General	City Hall 6 Per Cent. 1900 Loan	9,548 00
Feb. 26...	2,900	General	Jones Falls 6 Per Cent. 1900 Loan	3,132 00
Feb. 26...	3,000	Internal Improvement 1928 Loan.	West'n Maryl'd R. R. 3¾ Per Ct. 1927 Loan.	2,932 50
March 1..	4,800	Four Million 1945 Loan	Four Million 3½ Per Cent. 1945 Loan	4,800 00
March 1..	3,300	Park No. 2	Four Million 3½ Per Cent. 1945 Loan	3,300 00
March 2..	1,500	General	Funding 5 Per Cent. 1916 Loan	1,860 00
March 16.	200	Water 1916 Loan	Water 5 Per Cent. 1916 Loan	248 00
March 23.	2,000	Public Improvement 1940 Loan.	Public Improve't 3½ Per Ct. 1940 Loan...	2,140 00
March 23.	12,100	Public Improvement 1940 Loan.	Public Improve't 3½ Per Ct. 1940 Loan...	12,100 00
March 23.	79,400	Funding 1936 Loan	Four Million 3½ Per Cent. 1945 Loan....	79,400 00
March 23.	200	Horwitz Benevolent Fund	Four Million 3½ Per Cent. 1945 Loan....	200 00
March 23.	1,300	Hillen Station	Four Million 3½ Per Cent. 1945 Loan....	1,300 00
March 23.	110,000	Internal Improvement 1928 Loan.	Four Million 3½ Per Cent. 1945 Loan....	110,000 00
March 23.	6,300	General	City Hall 6 Per Cent. 1900 Loan	6,390 00
March 23.	6,400	General	West'n Maryl'd R. R. 6 Per Ct. 1902 Loan.	7,072 00
March 23.	6,500	General	City Hall 6 Per Cent. 1902 Loan	7,242 00
March 23.	100	General	Jones Falls 5 Per Cent. 1900 Loan	105 50
March 23.	8,100	General	Jones Falls 6 Per Cent. 1900 Loan	8,748 00
March 23.	800	General	Jones Falls 3.65 Per Cent. 1900 Loan	808 00
March 23.	3,500	General	Funding 6 Per Cent. 1900 Loan	3,727 50
March 23.	15,100	West'n Maryland R. R. 1925 Loan.	West'n Maryl'd R. R. 3¾ Per Ct. 1927 Loan.	14,547 00
March 23.	6,000	West'n Maryland R. R. 1927 Loan.	West'n Maryl'd R. R. 3¾ Per Ct. 1927 Loan.	5,920 00

March 24.	10,700	Water 1926 Loan	Water 5 Per Cent. 1916 Loan	13,294 75
March 24.	300	General	Harford Run 4 Per Cent. 1920 Loan	328 50
June 4....	600	Four Million 1945 Loan	Four Million 3½ Per Cent. 1945 Loan	600 00
June 4....	2,900	Park No. 2	Four Million 3½ Per Cent. 1945 Loan	2,900 00
June 4....	200	Public Park	Public Improvem't 3½ Per Ct. 1940 Loan.	200 00
June 4....	1,100	West'n Maryland R. R. Ter. Co.	Public Improvem't 3½ Per Ct. 1940 Loan.	1,100 00
June 4....	500	Public Improvement 1940 Loan.	Public Improvem't 3½ Per Ct. 1940 Loan.	500 00
June 4....	1,000	Hillen Station	Public Improvem't 3½ Per Ct. 1940 Loan.	1,000 00
June 4....	100	Horwitz Benevolent Fund	Public Improvem't 3½ Per Ct. 1940 Loan.	100 00
Sept. 11..	100,000	General	Public Improv't 3½ Per Cent. 1940 Loan..	100,000 00
Sept. 11..	25,000	General	Public Improv't 3½ Per Cent. 1940 Loan..	25,000 00
Sept. 17..	88,000	Internal Improvement 1928 Loan.	Public Improv't 3½ Per Cent. 1940 Loan..	88,000 00
Sept. 17..	12,000	Public Improvement 1940 Loan..	Public Improv't 3½ Per Cent. 1940 Loan..	12,000 00
Sept. 20..	19,000	Public Improvement 1940 Loan..	Public Improv't 3½ Per Cent. 1940 Loan..	19,000 00
Sept. 20..	3,000	Park No. 2	Public Improv't 3½ Per Cent. 1940 Loan..	3,000 00
Sept. 20..	48,000	General	Public Improv't 3½ Per Cent. 1940 Loan..	48,000 00
Oct. 29...	10,000	Four Million 1945 Loan	Four Million 3½ Per Cent. 1945 Loan	10,000 00
Oct. 29...	2,000	Public Improvement 1940 Loan..	Public Improv't 3½ Per Cent. 1940 Loan..	2,000 00
Oct. 29...	12,000	Funding 1936 Loan	Public Improv't 3½ Per Cent. 1940 Loan..	12,000 00
Oct. 29...	20,000	Water 1926 Loan	Public Improv't 3½ Per Cent. 1940 Loan..	20,000 00
Nov. 1 ...	140,000	Water 1922 Loan	Public Improv't 3½ Per Cent. 1940 Loan..	140,000 00
Nov. 5 ...	3,500	Public Improvement 1940 Loan..	Public Improv't 3½ Per Cent. 1940 Loan..	3,500 00
Nov. 5 ...	1,300	West'n Maryland R. R. 1925 Loan.	Public Improv't 3½ Per Cent. 1940 Loan..	1,300 00
Nov. 5 ...	600	West'n Maryland R. R. 1927 Loan.	Public Improv't 3½ Per Cent. 1940 Loan..	600 00
Nov. 5 ...	1,000	Western Maryland Terminal Co.	Public Improv't 3½ Per Cent. 1940 Loan..	1,000 00
Nov. 5 ...	2,200	Hillen Station	Public Improv't 3½ Per Cent. 1940 Loan..	2,200 00
Nov. 5 ...	4,200	Water 1926 Loan	Public Improv't 3½ Per Cent. 1940 Loan..	4,200 00
Nov. 5 ...	7,600	Water 1922 Loan	Public Improv't 3½ Per Cent. 1940 Loan..	7,600 00
Nov. 5 ...	1,300	Funding 1936 Loan	Public Improv't 3½ Per Cent. 1940 Loan..	1,300 00
Nov. 5 ...	7,600	Water 1916 Loan	Public Improv't 3½ Per Cent. 1940 Loan..	7,600 00
Nov. 5 ...	11,500	Four Million 1945 Loan	Four Million 3½ Per Cent. 1945 Loan	11,500 00
Nov. 5 ...	3,900	Park No. 2	Four Million 3½ Per Cent. 1945 Loan	3,900 00
Nov. 5 ...	300	Horwitz Benevolent Fund	Public Improv't 3½ Per Cent. 1940 Loan..	300 00
Nov. 6 ...	400	Frederick Raine Fund	Public Improv't 3½ Per Cent. 1940 Loan..	400 00
	50	General	Consolidated 3½ Per Cent. 1930 Loan	50 00
	$884,450			$900,034 50

STATEMENT NO. 3.

CONDITION OF SINKING FUNDS, DECEMBER 31, 1897.

General Sinking Fund.

City Hall Six Per Cent. 1900 Loan	$28,600 00	
" " " " " 1902 "	6,500 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	6,400 00	
Funding Six Per Cent. 1900 Loan	3,500 00	
Jones Falls Six Per Cent. 1900 Loan	11,000 00	
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds (Registered)	17,000 00	
		$73,000 00
Jones Falls Five Per Cent. 1900 Loan	$5,100 00	
Funding Five Per Cent. 1916 Loan	1,500 00	
		6,600 00
Harford Run Four Per Cent. 1904 Loan	$1,700 00	
" " " " " 1920 "	300 00	
Paving " " " 1920 "	5,000 00	
		7,000 00
Jones Falls 3.65 Per Cent 1900 Loan		800 00
Consolidated Three-and-one-half PerCent. 1930 Loan	$7,529 49	
Public Improvement Three-and-one-half Per Cent. 1940 Loan	650,700 00	
Four Million Three-and-one-half Per Cent. 1945 Loan	5,600 00	
		663,829 49
Western Maryland Railroad Six Per Cent. First Mortgage bonds, due January 1, 1890		43,500 00
Western Maryland Railroad Six Per Cent. Second Preferred Mortgage Bonds, due January 1, 1895		178,500 00
Western Maryland Railroad Six Per Cent. Funding Certificates		226,530 00
Western Maryland Railroad Unendorsed Coupons from First Mortgage Bonds		71,742 00
Hillen Station Property	$200,000 00	
Less amount set apart in sinking fund for the repayment of the cost thereof	66,910 66	
		133,089 34
Western Maryland Railroad Terminal Company depot property	$131,163 81	
Less amount set apart in sinking funds for the repayment of the cost thereof	24,937 76	
		106,226 05
Ground rents purchased under Ordinance No. 81 of 1881		338,985 27
Cash		56,453 65
		$1,906,255 80

Western Maryland Railroad Terminal Company's Sinking Fund.

City Hall Six Per Cent. 1900 Loan	$1,000 00	
" " " 1902 "	100 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	1,100 00	
Funding Six Per Cent. 1900 Loan	1,000 00	
Jones Falls Six Per Cent. 1900 Loan	1,200 00	
		$4,400 00
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds		1,000 00
Jones Falls 3.65 Per Cent. 1900 Loan		900 00
Consolidated Three-and-one-half Per Cent. 1930 Loan	$3,300 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan	14,700 00	
Four Million Three-and-one-half Per Cent. 1945 Loan	400 00	
		18,400 00
Cash		237 76
		$24,937 76

Hillen Station Sinking Fund.

City Hall Six Per Cent. 1900 Loan	$2,900 00	
" " " 1902 "	300 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	5,700 00	
Jones Falls Six Per Cent. 1900 Loan	2,800 00	
Funding " " " "	1,000 00	
		$12,700 00
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bond		500 00
Jones Falls Five Per Cent. 1900 Loan	$8,000 00	
Funding " " 1916 "	2,000 00	
		10,000 00
Paving Four " 1920 "		3,000 00
Jones Falls 3.65 " 1900 "		3,200 00
Consolidated Three-and-one-half Per Cent. 1930 Loan	$4,700 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan	30,300 00	
Four Million Three-and-one-half Per Cent. 1945 Loan	2,100 00	
		37,100 00
Cash		410 66
		$66,910 66

Western Maryland Railroad 1925 *Loan Sinking Fund.*

Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bond		$500 00
Western Maryland Railroad Four Per Cent. 1925 Loan		31 100 00
Consolidated Three-and-one-half Per Cent. 1930 Loan	$11,900 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan	11,800 00	
		23,700 00
Western Maryland Railroad Three-and-one-quarter 1927 Loan		15,100 00
Cash		49 99
		$70,449 99

Western Maryland Railroad 1927 *Loan Sinking Fund.*

Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds		$ 4,500 00
Western Maryland Railroad Three-and-a-quarter 1927 Loan		121,000 00
Consolidated Three-and-a-half Per Cent. 1930 Loan	$ 1,700 00	
Public Improvement Three-and-a-half Per Cent. 1940 Loan	13,700 00	
		15,400 00
Cash		9 12
		$140,909 12

Internal Improvement 1928 *Loan Sinking Fund.*

Jones Falls Six Per Cent. 1900 Loan	$20,700 00	
Funding " " 1900 "	9,800 00	
City Hall " " 1900 "	12,600 00	
" " " " 1902 "	5,400 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	11,700 00	
		$60,200 00
Jones Falls Five Per Cent. 1900 Loan	$1,200 00	
Funding " " 1916 "	8,900 00	
Harford Run Four Per Cent. 1920 Loan	7,700 00	
Western Maryland Railroad Four Per Cent. 1925 Loan	10,300 00	
		28,100 00
Jones Falls 3.65 Per Cent. 1900 Loan		7,500 00
Western Maryland Railroad Three-and-a-quarter Per Cent. 1927 Loan		76,000 00

Internal Improvement Three-and-a-half Per Cent. 1928 Loan	$186,100 00	
Consolidated Three-and-a-half Per Cent. 1930 Loan	8,000 00	
Public Improvement Three-and-a-half Per Cent. 1940 Loan	329,100 00	
Four Million Three-and-a-half Per Cent. 1945 Loan	112,500 00	
		635,700 00
		$807,500 00
Less cash over-invested		5,689 76
		$801,810 24

Public Improvement 1940 *Loan Sinking Fund.*

Public Improvement Three-and-a-half Per cent. 1940 Loan	$252,900 00
Western Maryland Railroad Three-and-a-quarter Per Cent. 1927 Loan	9,000 00
Cash	10,278 35
	$272,178 35

Water 1916 *Loan Sinking Fund.*

Water Five Per Cent. 1916 Loan	$323,100 00	
Funding Five Per Cent. 1916 Loan	5,700 00	
		328,800 00
Public Improvement Three-and-a-half Per Cent. 1940 Loan		29,200 00
Cash		39,361 22
		$397,361 22

Four Million 1945 *Loan Sinking Fund.*

Public Improvement Three-and-one-half Per Cent. 1940 Loan	$69,200 00	
Four Million Three-and-one-half Per Cent. 1945 Loan	28,800 00	
		$98,000 00
Cash		12,124 96
		$110,124 96

Water 1922 *Loan Sinking Fund.*

Water Five Per Cent. 1916 Loan		$3,400 00
Public Improvement Three-and-one-half Per Cent. 1940 Loan	$155,700 00	
Four Million Three-and-one-half Per Cent. 1945 Loan	800 00	
		156,500 00
Cash		2,395 72
		$162,295 72

Public Park Sinking Fund.

Public Improvement Three-and-a-half Per Cent. 1940 Loan		$9,600 00
Cash		231 98
		$8,831 98

Public Park Sinking Fund No. 2.

Public Improvement Three-and-a-half Per Cent. 1940 Loan	$15,300 00	
Four Million Three-and-a-half Per Cent. 1945 Loan	13,200 00	
		$28,500 00
Cash		78 67
		$28,578 67

Water 1926 *Loan Sinking Fund.*

Funding Six Per Cent. 1900 Loan		$17,200 00
Water Five " 1916 "		59,900 00
Water Four " 1926 "		4,200 00
Western Maryland Railroad Three-and-a-quarter Per Cent. 1927 Loan		22,200 00
Consolidated Three-and-a-half Per Cent. 1930 Loan	$31,600 00	
Public Improvement Three-and-a-half Per Cent. 1940 Loan	147,600 00	
		179,200 00
Cash		5,082 85
		$287,782 85

Funding 1936 *Loan Sinking Fund.*

Public Improvement Three-and-one-half Per Cent. 1940 Loan	$13,300 00	
Four Million Three-and-one-half Per Cent. 1945 Loan	79,400 00	
		$92,700 00
Cash		4,271 16
		$96,971 16

RECAPITULATION.

General Sinking Fund	$1,906,255 80
Western Maryland Railroad Terminal Company Sinking Fund	24,937 76
Hillen Station Sinking Fund	66,910 66
Western Maryland Railroad 1925 Loan Sinking Fund	70,449 99
Western Maryland Railroad 1927 Loan Sinking Fund	140,909 12
Internal Improvement 1928 Loan Sinking Fund	801,810 24
Public Improvement 1940 Loan Sinking Fund	272,178 35
Water 1916 Loan Sinking Fund	397,361 22
Four Million 1945 Loan Sinking Fund	110,124 96
Water 1922 " " "	162,295 72
Public Park 1890 " " "	9,831 98
Public Park (Clifton) Loan Sinking Fund No. 2	28,578 67
Water 1926 Loan Sinking Fund	287,782 85
Funding 1936 " " "	96,971 16
	$4,376,398 48

STATEMENT No. 4.

Condition of the Enoch Pratt Free Library Fund, Held in Trust by the Commissioners of Finance, as per Ordinance No. 64 of 1883, on December 31, 1897.

Funding Six Per Cent. 1900 Loan.....	$16,900 00	
City Hall " " 1900 "	35,700 00	
" " " 1902 "	6,500 00	
Western Maryland Railroad Six Per Cent. 1902 Loan.....	21,300 00	
Jones Falls Six Per Cent. 1900 Loan.....	11,300 00	
		$91,700 00
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds (registered)		10,000 00
Water Five Per Cent. 1916 Loan.....	$54,300 00	
Funding " " 1916 "	2,500 00	
Jones Falls Five " 1900 "	81,200 00	
		138,000 00
Paving Four " 1920 "	$62,300 00	
Patterson Park Four Per Cent. 1920 Loan.	195,000 00	
Water " " 1922 "	500,000 00	
Western Maryland Railroad Four Per Cent. 1925 Loan	2,100 00	
Harford Run Four Per Cent. 1920 Loan...	900 00	
Water " " 1926 " ...	1,000 00	
		761,300 00
Consolidated Three-and-one-half Per Cent. 1930 Loan	$113,200 00	
Internal Improvement Three-and-one-half Per Cent. 1928 Loan	13,200 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan	42,700 00	
		169,100 00
Western Maryland Railroad Three-and-one-quarter Per Cent. 1927 Loan		4,000 00
		$1,174,100 00

STATEMENT No. 5.

Condition of the Horwitz Benevolent Fund, Held in Trust by the Commissioners of Finance, as per Resolution No. 7 of 1888, on December 31, 1897.

Funding Six Per Cent. 1900 Loan	$1,800 00	
City Hall Six Per Cent. 1900 Loan	1,300 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	5,300 00	
Jones Falls Six Fer Cent. 1900 Loan	200 00	
		$8,600 00
Water Five Per Cent. 1916 Loan		400 00
Western Maryland Railroad Four Per Cent. 1925 Loan		300 00
Jones Falls 3.65 Per Cent. 1900 Loan		100 00
Public Improvement Three-and-a-half Per Cent. 1940 Loan		3,000 00
Western Maryland Railroad Three-and-one-quarter Per. Cent. 1927 Loan		200 00
Cash		54 81
		$12,654 81

STATEMENT No. 6.

Condition of the Frederick Raine Fund, Held in Trust by the Commissioners of Finance, as per Resolution No. 51 of 1897, on December 31, 1897.

Public Improvement Three-and-one-half Per Cent. 1940 Loan	$400 00
Cash	18 70
	$418 70

STATEMENT No. 7.

A Schedule of Real Estate and Ground Rents upon the Books of Commissioners of Finance.

Lessees.	Location of Lots.	Annual Rental.
William E. Banks	Nos. 9, 10, 11 and 12 President street	$452 25
Merchants' & Miners' Transport'n Co.	" 24, 25, 26, 27, 28 and 29 S. S. Block street	910 88
C. S. Maltby Company	" 5, 6, 7 and 8 N. S. Block street	293 60
Sisters of Mercy	Calvert Street Spring lot	1,000 00
Balto. & Phila. Steamboat Company	200 feet Pratt Street Wharf, near Light street	3,600 00
Platt & Co	Old Fish House property	1,457 00
E. B. Hunting & Co	Nos. 5, 6, 7 and 8 President street	502 50
Catharine Hickman	Fayette and Arch streets	52 00
Boys' Home Society	Pleasant and Calvert streets	50 00
Jas. Clark Company	Old City Yard property	497 25
Baltimore Dredging Company	" "	480 00
Sarah A. Vogt	Battery avenue	157 50
John G. Huck	Charles and Weyler streets	75 70
Sophia M. Kelly	Nos. 5, 7 and 9 Weyler street	150 00
Aaron Hess	No. 11 Weyler street	33 60
John F. Weyler	" 13 " "	19 20
Joseph Felser	" 15 " "	26 32
Louis Kleinhenn	" 17 " "	26 32
Ida Young	Nos. 19 and 21 Weyler street	52 64
E. C. Eichelberger	No. 23 Weyler street	26 32
H. Klasmeier	" 25 " "	25 48
Sophia Kessler	" 27 " "	26 32
Mary A. Steen	Nos. 31 and 33 Weyler street	52 64
Frederick Kull	No. 35 Weyler street	19 20
George Wimmer	" 37 " "	20 32
Snellenberg & Co	Nos. 39 and 41 Weyler street	54 49
J. A. J. Goetze	No. 43 Weyler street	29 60
August Pfeil	" 45 " "	29 60
Elizabeth Schott	" 49 " "	26 32
August Pfeil	Light and Weyler streets	78 06
		$10,225 11

Baltimore Belt Railroad Company ...	Park avenue, near Preston street	$549 00	.....
Mayor and City Council.....	Hollins and Monroe streets.....	750 00	.....
" "	Howard and Little Montgomery streets.....	120 00	.....
" "	Park avenue and Robert street.....	86 00	.....
" "	Frederick and Fairview avenues.....	360 00	.....
" "	Waesche street, near Fremont	480 00	.....
" "	Castle street.....	209 25	.....
" "	Hanover and Lee streets.....	210 00	.....
" "	Sharp and West streets.....	570 00	.....
" "	Argyle avenue, near Lanvale street	120 00	.....
" "	Hull and Clement streets	350 00	.....
" "	Linden avenue and Wilson street	840 00	.....
" "	Charles and Ostend streets.....	372 50	.....
" "	Ann and Chase streets.....	501 75	.....
" "	Howard street, opposite Centre	1,000 00	.....
" "	Preston and Eden streets	80 00	.....
" "	Broadway and Bank street.....	200 00	.....
" "	Mosher and Gilmor streets.....	757 00	.....
" "	Northeast Market.....	1,200 00	.....
" "	Collington Square	960 00	.....
" "	Perkins Spring Square.....	2,052 00	.....
" "	Riverside Park.....	3,770 62	.....
" "	Holliday and Fayette streets.....	56 00	.....
" "	Lexington and Paca streets.....	228 00	.....
" "	Bond and Chew streets	130 00	.....
" "	Carey street and Columbia avenue.....	385 00	.....
" "	Chappell street, near Carey.....	630 00	.....
" "	Cross Street Market.....	974 00	.....
" "	Linden avenue and Koenig street.....	1,155 00	.....
" "	Baltimore street, near Aisquith.....	150 00	.....
" "	Lombard street, near High	150 00	.....
			$19,396 12
(Purchased at a cost of $338,985.27).			
			$29,621 23

STATEMENT No. 8.

BALANCE SHEET OF SINKING FUND'S LEDGER, DECEMBER 31, 1897.

	Dr.	Cr.
General Sinking Fund		$56,453 65
Public Park Sinking Fund		231 98
Redemption of Five Million 1890 Loan		2,003 45
Western Maryland Railroad 1925 Loan Sinking Fund		49 99
Western Maryland Railroad 1927 Loan Sinking Fund		9 12
Western Maryland Railroad Terminal Company Sinking Fund		237 76
Hillen Station Sinking Fund		410 66
Public Improvement 1940 Loan Sinking Fund		10,278 35
Internal Improvement 1928 Loan Sinking Fund	$5,689 76	
Four Million 1945 Loan Sinking Fund		12,124 96
Public Park No. 2 (Clifton) Sinking Fund		78 67
Water 1926 Loan Sinking Fund		5,082 85
" 1916 " " "		39,361 22
" 1922 " " "		2,395 72
Funding 1936 Loan Sinking Fund		4,271 16
Conduit 1922 Loan Sinking Fund	1,491 25	
Horwitz Benevolent Fund		54 81
Frederick Raine Fund		18 70
Balance	125,882 04	
	$133,063 05	$133,063 05

Statement No. 9—FUNDED AND GUARANTEED DEBT.

FUNDED DEBT.

Name of Loan.	Rate.	When Redeemable.	Amount.
City Hall	6 per ct.	March 15, 1900	$1,000,000 00
Jones Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	$3\frac{65}{100}$ "	" 9, 1900	483,000 00
"	$3\frac{1}{2}$ "	" 9, 1900	160,000 00
"	3 "	" 9, 1900	100,000 00
Funding	6 "	At pleasure after July 1, 1900.	800,000 00
Western Md. R. R.	6 "	January 1, 1902	1,000,000 00
City Hall	6 "	March 7, 1902	500,000 00
Harford Run	4 "	November 3, 1904	350,000 00
Water	5 "	At pleasure after July 1, 1916.	5,000,000 00
Funding	5 "	" " July 1, 1916.	1,000,000 00
McDonogh Ext	5 "	September 1, 1916	280,000 00
Harford Run	4 "	At pleasure after Jan. 1, 1920.	250,000 00
Patterson Park	4 "	October 1, 1920	200,000 00
Paving	4 "	At pleasure after Nov. 1, 1920.	500,000 00
Water	4 "	" " Nov. 1, 1922.	500,000 00
Western Md. R. R.	4 "	July 1, 1925	684,000 00
Water	4 "	At pleasure after Nov. 1, 1926.	1,000,000 00
Western Md. R. R.	$3\frac{1}{2}$ "	January 1, 1927	1,704,000 00
Internal Improv't.	$3\frac{1}{2}$ "	July 1, 1928	4,850,000 00
Consolidated	$3\frac{1}{2}$ "	At pleasure after July 1, 1936.	5,000,000 00
Funding	$3\frac{1}{2}$ "	July 1, 1936	1,453,300 00
Public Improvm't.	$3\frac{1}{2}$ "	January 1, 1940	5,284,400 00
Four Million	$3\frac{1}{2}$ "	March 1, 1945	1,420,500 00
1860 Stock	6 "	Unredeemed, no int. allowed.	482 00
Water, 1875	6 "	" " "	540 00
Consolidated, 1890.	6 "	" " "	12,351 50
Five Million, 1890.	6 "	" " "	2,003 45
Exempt, 1893	6 "	" " "	500 00
Water, 1894	5 "	" " "	3,500 00
			$35,295,576 95

GUARANTEED DEBT.

W. Md. R. R. 1900 Six Per Cent. Third Mortgage Bonds.	875,000 00
Total funded and guaranteed debt	$36,170,576 95

Statement No. 10.

Indebtedness of the Western Maryland Railroad Company to the Mayor and City Council, December 31, 1897.

First Mortgage Bonds, due January 1, 1890, held by Commissioner of Finance.	$43,500 00	
Interest thereon from July 1, 1895	6,525 00	
		$50,025 00
Second Preferred Mortgage Bonds, due January 1, 1895, held by Commissioners of Finance	$178,500 00	
Interest thereon from July 1, 1895	26,775 00	
		205,270 00
Accrued interest on Second Mortgage Bonds, redeemed January 1, 1887		333,000 00
Third Mortgage Endorsement	$875,000 00	
Interest thereon to December 31, 1897	1,417,500 00	
		2,292,500 00
Fourth Mortgage to secure loan of city stock	$1,000,000 00	
Interest thereon to December 31, 1897	1,530,000 00	
		2,530,000 00
Fifth Mortgage to secure loan of city stock	$1,704,000 00	
Interest thereon from July 1, 1895	138,450 00	
		1,842,450 00
Loan of city stock under Ordinance No. 71 of 1882	684,000 00	
Interest thereon from July 1, 1895	68,400 00	
		752,400 00
Funding certificates, being amount of matured coupons of First and Second Preferred Mortgage Bonds, funded under Ordinance No. 22 of 1879	$226,530 00	
Interest thereon from January 1, 1895	40,775 40	
		267,305 40

Coupons from First Mortgage Unendorsed Bonds	$71,742 00	
Interest thereon to December 31, 1891	69,511 69	
		141,253 69
		$8,414,209 09
Less:		
Value of Western Maryland Railroad 1925 Loan Sinking Fund	$70,449 99	
" " " " " 1927 " " "	140,909 12	
		211,359 11
		$8,202,849 98

INTEREST ON FUNDED AND GUARANTEED DEBT.

Funded Debt.

Name of Loan.	Rate of Interest.	When Payable.	Where Payable.
City Hall 1900	6 Per Cent.	January, April, July and October.	Nat'l Farmers and Planters' Bank.
City Hall 1902	6 "	" " " "	Nat'l Farmers and Planters' Bank.
Funding 1900	6 "	" " " "	Nat'l Farmers and Planters' Bank.
Patterson Park 1920	4 "	" " " "	Nat'l Farmers and Planters' Bank.
Western Maryland Railroad 1927	3½ "	January and July	Nat'l Farmers and Planters' Bank.
Consolidated 1930	3½ "	" "	Nat'l Farmers and Planters' Bank.
Water 1916	5 "	May and November	National Mechanics' Bank.
" 1922	4 "	" "	" "
" 1926	4 "	" "	" "
Jones Falls 1900	6 "	February, May, August and November	National Exchange Bank.
" " 1900	5 "	February, May, August and November	" "
" " 1900	3 65/100 "	February, May, August and November	" "
" " 1900	3½ "	February, May, August and November	" "
" " 1900	3 "	February, May, August and November	" "

Four Million 1945	3½	Per Cent.	March and September	National Exchange Bank.
McDonogh Extension 1916	5	"	" "	" "
Internal Improvement 1928	3½	"	January and July	Farmers and Merchants' National Bank.
Harford Run 1904	4	"	" "	Farmers and Merchants' National Bank.
" " 1920	4	"	" "	Farmers and Merchants' National Bank.
Paving 1920	4	"	May and November	Farmers and Merchants' National Bank
Funding 1916	5	"	" "	Farmers and Merchants' National Bank.
Public Improvement 1940	3½	"	January and July	Merchants' National Bank.
Western Maryland Railroad 1925	4	"	" "	" "
" " " 1902	6	"	" "	" "

GUARANTEED BONDS.

Western Maryland Railroad Third Mortgage Bonds	6	Per Cent.	January and July	Merchants' National Bank.

ANNUAL REPORT

—OF THE—

CITY COMPTROLLER,

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

COMPTROLLER'S DEPARTMENT.

Comptroller:

CHARLES D. FENHAGEN.

Deputy Comptroller:

JULIUS W. FREEMAN.

Chief Clerk:

HENRY C. HINES.

Assistant Clerk:	H. L. P. Woolf.
Auditor:	Albert M. Collins.
License Detective:	J. Alexander Steuart.
Stenographer:	Wm. M. Jordan.

INDEX.

	Page.
Statement No. 1—Receipts and expenditures	10–13
" 2—Estimate for amount to be received, also showing the actual receipts on account of same	14–17
" 3—Appropriations of Ways and Means Committee, with actual expenditures on account of same	18–31
" 4—Comparative statement based upon the levy	32–38
" 5—Balance sheet	39
" 6—Five Million Loan in detail	40–41
" 7—Six " " "	42–43
" 8—Four " " "	44–45
" 9—Streets opened—paid by assessment	46–49
" 10— " paved— " "	50–53
" 11—Account with City Register	54
" 12—Cash account various loans	55
" 13—Receipts and expenditures, account "Annex"	56
Table A—Markets in detail and comparison	58–63
" B—Public Halls in detail	63
" C—General Licenses in detail and comparison	64
" D—Wharfage in detail	65
" E—Dog Pound -removed cases and fines	66
" F—Courts and Magistrates in detail	66–69
" G—Police Department	69–70
" H—Elections and Registration in detail	71
" I—Rentals on City Property in detail	72–73
" J—Judgments and Suits in detail	74
" K—Diary of City Council	75
" L—Park Board Receipts and Expenditures	75–76
" M—Receipts and expenditures for account of various Squares	77–84

REPORT.

COMPTROLLER'S DEPARTMENT—CITY HALL.

BALTIMORE, January 8, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have the honor of submitting herewith the report of this department for the fiscal year ending December 31, 1897.

I am pleased to note that a deficiency, which threatened at one time to be quite large, has been considerably reduced (principally by the receipts from taxes), and is now found to be $119,116.56.

In this connection I would state that it is almost impossible to estimate from month to month with any degree of certainty what the *receipts* are likely to be, as one year cannot be relied upon as a guide for another, and yet the *expenditures* under our present system and laws are authorized to go on to the extent of the appropriations. If the receipts, which are only determined *after the close* of each month, instead of the appropriation, could be taken as a *basis* (but never to *exceed* the appropriation) for expenditures the following month, or some other similar plan which would limit expenditures to actual receipts, it would be, in my judgment, far better. Of course fixed charges, such as court expenses, interest, etc., would have to be met when due, but proper provision could and should be made for same, and with the restrictions thus put upon the expenditures a deficiency would not likely occur.

The fact exists, in my opinion, that the *revenues* of the city are not equal to its requirements. The present tax rate, already high, upon the present basis of valuations, together with the very limited revenues from other sources, cannot be relied upon as sufficient to meet the city's needs. I believe the moneys received from the citizens of Baltimore in payment for licenses for carrying on business in the city should go into the *city's* treasury. The same might also be said regarding all revenues in the city where the city is required to meet the expense.

You will find herewith a full account of all receipts and expenditures during the year, with accompanying statements and tables, exhibiting in detail a good deal of information regarding the various accounts and departments, and which, I trust, you may find useful and interesting.

The receipts from taxation were $408,777.56 below the estimate, though $115,240.73 of this amount was in excess of the appropriations actually made, thus reducing the deficiency in receipts to $293,536.83. This is offset to the extent of $174,420.27 in balances from appropriations and the closing of accounts left over from previous year, thus leaving the actual deficiency, as before stated, $119,116.56.

All bills were paid which were presented, if in proper shape and within the appropriation.

It is gratifying to note that the marked increase in the "market" revenues during 1896 were not lost in 1897, but that a still further increase, though slight (about $1,000), was recorded. The "wharfage" receipts, also, during the year showed a further gain of about $4,500, due, I think, to the care and diligence exercised by the several Harbor Masters.

The changes instituted in this department during 1896, of which mention was made in my report a year ago, have given a great deal of satisfaction during the *past* year also.

You will observe by reference to the balance sheet, as exhibited herewith, there is to the *credit* of the Five Million Loan $28,653.04, and to the Six Million Loan $44,008.76, whilst the Four Million Loan stands *charged* with $31,478 81. All revenue accounts have been closed, as well as all appropriation accounts, and the balances merged into the general "deficiency" account, as shown

A great deal has been said from time to time regarding a Floating Debt. I believe that the *interest*, due January 1 of each year, is properly a charge upon the year preceding, though the levy for the payment of same is always made in the year in which it is due, thus *making* it a charge upon that year. The same might be said of the salaries which are *earned* in December but not allowed by law to be paid till January, and are, therefore, made a charge upon the year in which paid, and are levied for accordingly. A good many of the department *bills*, though contracted in December, are not paid till January.

All these, however, are more than offset by taxes in arrears and uncollected, and will, no doubt, together with said expenditures, be taken into account in making up estimates for *coming* year. I have, therefore, in my "Balance Sheet" statement left

out these *uncertain* items of assets and liabilities and treated only the actual "deficiency" of the year.

Whilst this is the case at present, the same condition existed a year ago and the year previous (1895), when the Funding Loan was intended to cover everything due at the close of December 31 of that year. During 1897, as also in 1896, twelve months' expenses were paid out of twelve months' appropriations, and I would respectfully suggest that the laws should be so amended as to admit of each year's expenditures being cared for as nearly as possible in the year in which due.

In closing my report, I wish to acknowledge the very efficient work done by the officers and employes of this department, as well as the very cordial relations and harmony which have existed between the various departments and ourselves during the year.

I am, very truly, your obedient servant,

CHAS. D. FENHAGEN, *Comptroller.*

STATEMENTS.

STATEMENT No. 1.

RECEIPTS AND EXPENDITURES DURING THE FISCAL YEAR ENDING DECEMBER 31, 1897.

Cash balance charged to City Register January 1, 1897.		$379,174 95

Received from City Collector.

Account tax levy, 1897, 20 wards	$3,672,089 04	
" tax in arrears, 20 wards	1,472,153 33	
" interest, 20 wards	39,980 55	
" arrearages sinking funds, 20 wards	132,392 17	
" taxes, including arrears, Annex.	189,502 58	
" assessment of securities, 20 wards	128,590 66	
" " " " Annex..	14,317 16	
" " " mortgages	4,717 06	
" water tax, arrears	206 29	
" opening streets, individual benefits	85,865 61	
" opening streets, city benefits	163,910 43	
" paving streets (assessment)	45,638 08	
		$5,949,362 96

(See Statements Nos. 2, 9 and 10 for Details).

Received from Various Sources.

Water Board (rents, etc.)	$1,016,619 17
Park Board (city railway receipts, etc.)	266,449 98
Interest on stock debt	549,812 25
" due by Water Board, 1896	155,000 00
State of Maryland, account public schools	214,618 29
Tuition fees	4,059 91
Liquor licenses	410,239 93
General "	65,831 83
Market "	57,841 95
State tax on city loans	7,145 61
Bay View Asylum	1,533 13
Fines, etc	5,195 40
Jail Board	5,475 02
Quarantine Hospital	15,105 79
Permits for sheds, &c	7,141 03
Wharfage	33,249 02
Inspector of Gas Meters and Superintendent of Lamps	3,885 90
Temporary loans	3,938,000 00
Intestate estates	55
State of Maryland Free Text Books Fund.	52,727 61
Sale of stock, account Six Million Loan,	535,471 00
" " " " Four " "	707,244 75
" " " " Funding Loan	1,537,155 41
Telephone conduits	6,653 56

Sale of old material and refuse	$6,655 15	
Sale of old material, account street openings	6,424 33	
Ground rent from sundry parties	532 00	
Transportation of poor	129 65	
Rents, Gay, Hollins and Forrest streets	796 62	
Auction duties	7,735 16	
Fire Department (old hose, etc.)	603 60	
Dog Pound, dogs reclaimed and sold	315 41	
Turnpike dividends	316 00	
City seals	20 70	
" Library	324 86	
Topographical survey (maps)	624 50	
Ice-boats (rentals)	100 00	
Superintendent of Public Buildings	2 50	
Liquor License Commission	5 28	
Conscience fund	37 00	
Market halls (rentals)	575 10	
Electrical Subway	1,185 23	
Registration	101 40	
Health	4 00	
Grade advertising	483 23	
Tax sales	1,053 71	
Judgments and suits	836 80	
Removed cases	145 00	
Harbor Board (coal sold)	91 00	
Account of squares from Park Board	27,500 00	
Extension water supply	151 61	
Dangerous walls	144 97	
Tax Collector	4 62	
Inspector of Buildings, for special work done through City Commissioner's Department	1,405 26	
		$9,654,761 78
		$15,983,299 69

Expenditures.

Department of Inspector of Buildings, City	$123,862 44
" " " " " Annex	99,286 32
Street Cleaning Department, City	344,913 24
" " " Annex	29,562 66
Superintendent of Lamps Department, City	348,075 22
Superintendent of Lamps Department, Annex	53,601 65
Harbor Commission	70,540 34
Health Department, City	85,371 95
Health Department, Annex	3,782 64
Fire Department, City	395,424 80
" " Annex	74,271 49
City Commissioner's Department, City	204,106 02
" " " Annex.	19,903 82
City Collector's Department	59,088 14
Commissioners for Opening Streets	9,979 61
Liquor License Commissioners	14,608 44
Supervisors of Election, salaries and expenses (including registration and election)	77,183 98
General Expenditures	421,236 26
City Library	8,212 94
Superintendent of Public Building's Department	41,870 54
Public Schools, City	1,098,487 77
" " Annex	154,786 90
Police Department	837,270 00
City Poor	374,581 42
Certain expenses (courts, jail, etc.)	237,020 81
Interest on stock debt	1,447,287 00
Opening streets	163,910 43
Sinking Fund	467,470 31
(See Statement No. 3.)	
Temporary Loans, returned	4,619,000 00
Cleaning and repairs of markets	4,626 29
" " " " public halls	168 39
Expenditures of various squares	26,754 02
Tax Sales, property purchased	3,440 58
Inspecting gas and oils	7 20
Water Board expenses	1,046,592 78
Park Board, expenses of parks, etc	267,590 90
Patterson Park extension	101 18
Opening streets	245,263 16
Paving streets	39,447 26
Improvement Harford Run	38 64
Fines remitted	307 00
Harbor Master's Fees, etc	8,338 45
Advertising, permits for sheds, etc	552 07
Grade advertising	483 23
Expense, account Gay street rents	156 68
Free Text Books, Public Schools	56,031 30

Premium on sale of stock	$102,602 95	
Water Board, water tax in arrears	206 29	
Paving certificates	1,885 74	
Removing dangerous walls	250 97	
City Commissioner, special work on streets	1,405 26	
Removed Cases	989 83	
Harbor Board, replacing coal	91 00	
Commissioners of Finance, account 1928 Loan returned as unavailable	94,003 66	
Permanent Water Supply returned to Finance Commissioners	437 32	
Ramsay Street Bridge returned to Finance Commissioners	164 62	
State Tax, error in account	2 66	
Ground rent, additional to appropriation offset by receipts	532 00	
Judgments and suits, additional to appropriation offset by receipts	836 80	
City Collector, paid in error	4 62	
		$13,788,009 99

Account of Five Million 1928 Loan.

Constructing sewers	$1,570 09	
School-houses and lots	2,513 47	
		$4,083 56

(For items in detail, see Statement No. 6.)

Account of Six Million Loan.

Court-house and Record building	$463,177 11	
Paving streets	29,298 62	
School-houses and lots	7,066 50	
Constructing sewers	82,680 52	
Building bridges	26,459 32	
		608,682 07

(For items in detail, see Statement No. 7.)

Account of Four Million 1945 Loan.

Enlargement of water supply	717,021 26
Total payments	$15,117,796 88
Balance charged to City Register	865,502 81
	$15,983,299 69

STATEMENT No. 2.

STATEMENT OF ESTIMATES AND RECEIPTS TO DECEMBER 31, 1897.

		Estimate.	Received.	Dalance. Dr.	Balance. Cr.
Taxes for 1897:	*Per* $100.				
Direct tax	$ .52	$1,057,186 00	$954,743 12	$102,442 88	
Public schools	.36¾	747,145 88	674,746 35	72,399 53	
Police Department	.30	609,915 00	550,813 31	59,101 69	
Interest on stock debt	.32½	660,741 25	596,714 46	64,026 79	
Certain expenses	.07½	152,478 75	137,703 42	14,775 33	
City poor	.13	264,296 50	238,685 79	25,610 71	
Opening streets	.10	203,305 00	183,604 45	19,700 55	
General Sinking Fund	.08¼	167,726 62	151,473 66	16,252 96	
Water 1916 Loan Sinking Fund	.02	40,661 00	36,720 91	3,940 09	
" 1926 " " "	.01	20,330 50	18,360 44	1,970 06	
" 1922 " " "	.00½	10,165 25	9,180 22	985 03	
Internal Imp. 1928 Sinking Fund	.03	60,991 50	55,081 34	5,910 16	
Public Imp. 1940 " "	.02	40,661 00	36,720 92	3,940 08	
Four Million 1945 " "	.00½	10,165 25	9,180 22	985 03	
Funding 1936 " "	.01	20,330 50	18,360 43	1,970 07	
	$2.00				
Basis $278,500,000		73 per cent.	65 per cent.		
Totals		$4,066,100 00	$3,672,089 04	$394,010 96	

Reduced basis, $270,500,000.
Percentage collected, 67⅞ per cent.

Income from mortgages	$10,000 00	$ 4,717 06	$5,282 94	.....
Assessment of securities	129,000 00	128,590 66	.....	$13,907 82
" " " (Annex)		14,317 16		
Totals	$139,000 00	$147,624 88	$5,282 94	$13,907 82
Taxes in Annex:				
Direct (including arrears and interest)	$147,400 00	$189,502 58	.....	$42,102 58
Taxes in arrears:				
Direct tax	$573,987 50	$524,617 93	$49,369 57	.....
Public schools	322,812 50	298,908 93	23,903 57	.....
Police Department	233,025 00	223,870 11	9,154 89	.....
Interest on stock debt	233,025 00	226,810 96	6,214 04	.....
Certain expenses	77,675 00	72,438 77	5,236 23	.....
City poor	94,825 00	92,084 22	2,740 78	.....
Opening streets	40,356 25	33,422 41	6,933 84	.....
General Sinking Fund	66,618 75	62,528 72	4,090 03	.....
Water 1916 Loan Sinking Fund	16,150 00	13,136 26	3,013 74	.....
" 1926 " " "	8,075 00	8,236 42	.....	161 42
" 1922 " " "	4,037 50	3,284 07	753 43	.....
Internal Imp. 1928 Sinking Fund	24,225 00	24,709 32	.....	484 32
Public Imp. 1940 " "	16,150 00	16,430 71	.....	280 71
Four Million 1945 " "	4,037 50	4,066 67	.....	29 17
Funding 1936 " "	.....	.....	.....	.....
Interest	38,000 00	39,980 55	.....	1,980 55
Totals	$1,753,000 00	$1,644,526 05	$111,410 12	$2,936 17
Public Schools, Additional:				
State of Maryland	$210,635 00	$214,618 29	.....	$8,043 20
Tuition fees		4,059 91	.....	
Totals	$210,635 00	$218,678 20	.....	$8,043 20

STATEMENT No. 2.—Concluded.

	Estimate.	Received.	Balance. Dr.	Balance. Cr.
City Poor, Additional:				
Bay View Asylum	$1,500 00	$1,533 13	.....	$33 13
Fines	3,700 00	4,888 40	.....	1,188 40
Totals	$5,200 00	$6,421 53	.....	$1,221 53
Certain Expenses, Additional:				
City Jail	$7,500 00	$5,475 02	$2,024 98	.....
Interest on Stock Debt, Additional				
Water Board	$313,984 75	$313,984 75	.....	.....
Commissioners of Finance	124,038 79	124,038 79	.....	.....
Western Maryland Railroad Co	82,740 00	82,740 00	.....	.....
Park Board	33,287 50	33,287 50	.....	.....
Totals	$554,051 04	$554,051 04	.....	.....
Sundry Accounts:				
Liquor licenses	$400,000 00	$410,239 93	.....	$10,239 93
Sale of old material (Water Dept.)	.....	226 90	.....	226 90
Surplus from previous year	84,968 46	84,968 46	.....	.....
Sale of refuse	700 00	1,007 45	.....	307 45
Quarantine Hospital	11,000 00	15,105 79	.....	4,105 79
Permits for sheds, signs, etc	10,000 00	6,588 96	3,411 04	.....
City Commissioner	6,000 00	4,958 70	579 20	.....
Sale of old material	.....	462 10	.....	.....
General Superintendent of Lamps	3,000 00	3,885 90	.....	885 90
Markets	45,000 00	53,215 66	.....	8,215 66
Wharfage	20,000 00	24,910 57	.....	4,910 57

General licenses	65,000 00	65,831 83	.....	831 83
Auction duties	8,000 00	7,735 16	264 84	.....
Telephone conduits	4,635 80	6,653 56	.....	2,017 76
Fire Department	.....	603 60	.....	603 60
Dog pound	.....	315 41	.....	315 41
Turnpike dividends	.....	316 00	.....	316 00
W. M. R. R. State Tax City Loans	1,000 00	972 70	27 30	.....
City Register State Tax City Loans	6,000 00	6,170 25	.....	170 25
City seal	.....	20 70	.....	20 70
City Library	.....	324 86	.....	324 86
Topographical Survey	.....	624 50	.....	624 50
Transportation of poor	.....	129 65	.....	129 65
Ice-boats	.....	100 00	.....	100 00
Superintendent of Public Buildings	.....	2 50	.....	2 50
Liquor License Commission	.....	5 28	.....	5 28
Conscience Fund	.....	37 00	.....	37 00
Market halls	.....	406 71	.....	406 71
Electrical subway	....	1,185 23	.....	1,185 23
Gay street rents, special	.....	3,795 29	.....	3,795 29
Hollins street rents	.....	130 35	.....	130 35
Forrest street rents	.....	8 00	.....	8 00
Registration	.....	101 40	.....	101 40
Health Department	.....	4 00	.....	4 00
Totals	$665,304 26	$701,044 40	$4,282 38	$40,022 52
Grand totals	$7,548,190 30	$7,139,412 74	$517,011 38	$108,233 82
			108,233 82	
Net deficiency in receipts			$408,777 56	

STATEMENT No. 3.

STATEMENT OF APPROPRIATIONS AND EXPENDITURES TO DECEMBER 31, 1897.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
Inspector of Buildings Dept.				
Repairs of school house	$20,000 00	$19,731 24		$268 76
" " city property	15,000 00	15,000 00		
" " heating apparatus in school houses	2,854 00	2,854 00		
Sanitary and other improvements	3,000 00	3,000 00		
Emptying cess-pools	800 00	800 00		
Incidentals	200 00	200 00		
Livery	500 00	500 00		
Salaries	15,100 00	15,100 00		
Building Western High School	5,257 45			5,257 45
" Primary School No. 4	6,000 00	3,881 55		2,118 45
" Grammar School No. 7	49,989 00	25,811 19		24,177 81
" Male and Female Colored School No. 4	1,000 00	800 00		200 00
" Colored School No. 8	1,000 00	830 00		170 00
" " " " 9	28,734 97	26,576 83		2,158 14
Repairs of schools, (Deficiency)	5,124 81	5,122 82		1 99
" " city property "	3,429 14	3,429 14		
Fitting up room for Judge at Large	350 00	225 67		124 33
Totals	$158,339 37	$123,862 44		$34,476 93

Annex.				
Repairs of city property	$ 4,000 00	$ 3,994 73	.....	$5 27
Salaries	1,200 00	1,200 00	.....	.....
Livery	200 00	200 00	.....	.....
Building Annex School No. 3	45,331 10	42,187 70	.....	3,143 40
" " " " 18	41,053 05	37,038 28	.....	4,014 77
" Engine House " 20	1,408 04	725 50	.....	682 54
" " " " 21	15,000 00	13,940 11	.....	1,059 89
Totals	$108,192 19	$99,286 32	.....	$8,905 87
Street Cleaning Department.				
Garbage carts and men	$141,336 00	$139,350 00	.....	$ 1,986 00
Street " " "	75,678 00	73,143 00	.....	2,535 00
Sweepers and scrapers	91,631 05	87,375 47	.....	4,255 58
Salaries	9,000 00	8,884 71	.....	115 29
Contingent fund	400 00	424 86	$24 86	.....
Sweeping machines, sprinklers, etc	15,000 00	19,009 75	4,009 75	.....
Dumps	2,400 00	2,431 50	31 50	.....
Removal of garbage	11,850 00	11,850 00	.....	.....
Tools, repairs, etc	2,492 00	2,443 95	.....	48 05
Totals	$349,787 05	$344,913 24	$4,066 11	$8,939 92
Annex.				
Garbage carts and men	$18,720 00	$16,869 00	.....	$1,851 00
Street " " "	9,360 00	4,995 00	.....	4,365 00
Sweepers and scrapers	10,400 00	6,585 60	.....	3,814 40
Salary of superintendent	1,000 00	1,000 00	.....	.....
Tools	125 00	113 06	.....	11 94
Totals	$39,605 00	$29,562 66	.....	$10,042 34

STATEMENT No. 3.—Continued.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
General Superintendent of Lamps.				
Gas	$132,612 50	$125,593 54		$7,018 96
Electric lights	166,350 00	166,175 18		174 82
Gasoline	5,804 00	5,017 64		786 36
Salaries	3,000 00	3,000 00		
Lamplighters' salaries	48,328 00	48,288 86		39 14
Totals	$356,094 50	$348,075 22		$8,019 28
Annex.				
Gas	$22,735 00	$21,484 52		$1,250 48
Electric lights	6,340 00	6,245 04		94 96
Gasoline	8,796 00	8,733 24		62 76
Lamplighters' salaries	17,842 00	17,138 85		703 15
Totals	$55,713 00	$53,601 65		$2,111 35
Harbor Commission.				
Salary of engineer and clerk	$5,000 00	$5,000 00		
Dredging harbor	30,300 00	30,291 22		$8 78
Ice-boats	20,000 00	18,992 99		1,007 01
Bulkhead at City Dock	5,514 43	730 54		4,783 89
Repairs of wharves	1,684 95	1,684 95		
Removal of ashes from tow-boats	1,200 00	1,177 23		22 77
Removal of floating matter	2,500 62	2,500 62		
Ice-boats (deficiency)	9,801 06	9,801 06		
Dredging harbor (deficiency)	361 73	361 73		
Totals	$76,362 79	$70,540 34		$5,822 45

Health Department.				
Salaries	42,000 00	45,647 74	3,647 74	
General health	13,000 00	11,473 93		1,526 07
Quarantine Station	23,700 00	23,250 28		449 72
Removal of canning-house refuse	5,000 00	5,000 00		
Totals	$83,700 00	$85,371 95	$3,647 74	$1,975 79
Annex.				
Salaries	$3,800 00	$3,782 64		$17 36
Fire Department.				
Salaries	286,300 00	286,286 00		14 00
Expenses	100,000 00	99,938 80		61 20
Repairs Fire Boat "Cataract"	9,200 00	9,200 00		
Totals	$395,500 00	$395,424 80		$75 20
Annex.				
Salaries	$43,300 00	$43,296,91		$3 09
Expenses	14,000 00			
Equiping Engine Company No. 20	14,050 00	28,474 58		75 42
New Fire Alarm Boxes	500 00			
Lot for Engine House No. 21	2,500 00	2,500 00		
Totals	$74,350 00	$74,271 49		$78 51

STATEMENT No. 3.—Continued.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
City Commissioner's Department.				
Repairs of sewers	$5,871 06	$5,674 16		$196 90
" " bridges (including painting)	15,000 00	14,999 66		34
" " paved streets	106,000 00	105,994 85		5 15
" " unpaved streets	3,000 00	2,988 14		11 86
Paving in front of city property	3,000 00	3,000 00		
" and repaving cross streets	23,000 00	22,273 81		726 19
Flag and stepping-stones	2,000 00	1,711 88		288 12
Livery and transportation	1,500 00	1,500 00		
Incidentals	500 00	489 50		10 50
Light street bridge maintenance	5,310 00	5,302 61		7 39
Salaries	32,950 00	29,871 48		3,078 52
Rental of storage lots	200 00	200 00		
Advertising	200 00	198 46		1 54
Inlets to sewer Hollins and Schroeder	1,200 00	1,034 92		165 08
Board walk on Fayette street	40 00			40 00
Drain-pipe in Newington avenue (deficiency)	568 13	568 13		
Inlets Baltimore street and Frederick avenue	750 00	750 00		
" Lanvale street and Fremont avenue	128 94	128 94		
Park avenue paving	8,214 85	8,214 85		
Totals	$209,432 98	$204,901 39		4,531 59
Annex.				
Repairs of roads, streets, bridges, etc	$20,000 00	$18,814 82		$1,185 18
Macadamizing Augusta avenue	1,089 00	1,089 00		
Totals	$21,089 00	$19,903 82		$1,185 18

City Collector's Department.				
Salaries	$32,800 00	$32,503 34		$296 66
Expenses	3,000 00	2,999 04		96
Salaries of Appeal Tax Court	22,400 00	22,385 76		14 24
Expenses of " " "	1,200 00	1,200 00		
Totals	$59,400 00	$59,088 14		$311 86
Commissioners for Opening Streets.				
Salaries	$9,900 00	$9,900 00		
Expenses	200 00	79 61		$120 39
Totals	$10,100 00	$9,979 61		$120 39
Liquor License Commission.				
Salaries	$10,800 00	$10,800 00		
Expenses	4,200 00	3,808 44		$391 56
Totals	$15,000 00	$14,608 44		$391 56
Supervisers of Elections.				
Registration	$50,000 00	$47,609 94		$2,390 06
Elections	20,000 00	19,340 66		659 34
Salaries	9,500 00	8,540 35		959 65
Expenses	1,500 00	1,273 03		226 97
Temporary assistance to clerk and messenger	800 00	420 00		380 00
Total	$81,800 00	$77,183 98		$4,616 02

STATEMENT No. 3.—Continued.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
General Expenditures.				
Diary of City Council	$65,000 00	$60,761 60		$4,238 40
General expense	1,800 00	1,791 65		8 35
Mayoralty	1,300 00	1,180 69		119 31
Salaries, not otherwise provided for	52,700 00	52,434 02		265 98
Public printing	2,000 00	1,998 52		1 48
Interest on temporary loans	20,000 00	23,501 41	3,501 41	
" " paving certificates, (maturing)	219 15	219 15		
State tax on city loans	45,000 00	46,671 89	1,671 89	
Ground rents on city property	48,500 00	47,788 97		711 03
Insurance on city property	2,500 00	1,472 20		1,027 80
Topographical Survey	8,654 16	6,610 39		2,043 77
Sewerage Commission	20,775 13	14,390 17		6,384 96
Maryland Institute	9,000 00	9,000 00		
Ringing Mechanics' Bells	200 00	200 00		
Winding Maryland Institute clock	75 00	75 00		
Transportation to House of Correction	250 00	237 50		12 50
Dog pound	1,300 00	968 85		331 15
General licenses	1,000 00	675 90		324 10
Assistance to Examiner of Titles	1,200 00	1,200 00		
Hose for various markets	500 00	441 15		58 85
Underground wires	7,877 13	7,732 61		144 52
Enoch Prart Free Library Fund	497 50	497 50		
Pension account, W. H. War	260 00	260 00		
Veteran Volunteer Firemen's Association	500 00	500 00		
Refunded taxes	4,000 00	1,997 93		2,002 07

Water for fire-plugs at Carroll		250 00	250 00	
Ordinances and resolutions	36,100 00 27,864 85			
		8,235 15	6,492 60	1,742 55
New assessment of property		98,000 00	96,836 43	1,163 57
F. H. Davidson		50 13	50 13	
Armory for Fourth Regiment Infantry, M. N. G.		35,000 00	35,000 00	
Totals		$436,643 35	$421,236 26	$5,173 30	$20,580 39
City Library.				
Salaries		$2,400 00	$2,400 00	
Expenses		5,899 54	5,812 94	$86 60
Totals		$8,299 54	$8,212 94	$86 60
Superintendent of Public Buildings.				
Salaries, City Hall		$16,621 00	$16,620 03	$ 97
" " " Annex		2,540 00	2,539 96	04
Expenses, " "		11,532 00	11,522 55	9 45
" " " Annex		2,646 00	2,636 73	9 27
Salaries, City Court houses		3,570 00	3,569 46	54
Expenses, " "		4,991 00	4,981 81	9 19
Totals		$41,900 00	$41,870 54	$29 46
Public Schools.				
Salaries		$930,000 00	$922,746 41	$7,253 59
Expenses		134,610 00	122,996 70	11,613 30
Night schools		10,000 00	9,579 77	420 23
Polytechnic Institute		33,688 00	33,087 60	600 40
Colored Manual Training School		8,000 00	8,077 29	$77 29
Lot for addition to School No. 3		2,000 00	2,000 00	
Totals		$1,118,298 00	$1,098,487 77	$77 29	$19,887 52

STATEMENT No. 3.—Continued.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
Annex.				
Salaries	$130,000 00	$129,893 50		$106 50
Expenses	25,700 00	24,893 40		806 60
Totals	$155,700 00	$154,786 90		$913 10
Police Department.				
Salaries	$793,520 00	$789,707 18		
Expenses	43,750 00	47,562 82		
Totals	$837,270 00	$837,270 00		
City Poor.				
Maintenance of Bay View Asylum and Hospital	$105,000 00	$104,970 95		$ 29 05
Transportation of poor	800 00	621 51		178 49
Friendly Inn	1,000 00	1,000 00		
St Mary's Industrial School	20,000 00	20,000 00		
Mt. Hope Retreat	42,500 00	44,405 31	1,905 31	
Maryland Hospital for the Insane	42,500 00	41,775 35		724 65
Second Hospital for the Insane at Springfield	2,500 00	3,974 89	1,474 89	
Montevue Hospital for the Insane	600 00	150 00		450 00
House of Refuge	20,000 00	20,000 00		
" " " for heating apparatus	5,000 00	5,000 00		
" " " for Manual Training School	3,000 00	3,000 00		
House of Reformation	12,000 00	12,000 00		
College of Physicians and Surgeons' Hospital	16,900 00	16,765 55		134 45
University of Maryland Hospital	10,140 00	7,765 17		2,374 83

St. Vincent's Infant Asylum	6,000 00	6,000 00		
St. Elizabeth's Colored Orphan Asylum	3,500 00	3,500 00		
Nursery and Child's Hospital	3,700 00	3,700 00		
Home of the Friendless	2,275 00	2,275 00		
Industrial Home for Colored Girls	2,700 00	2,700 00		
Female House of Refuge	5,000 00	5,000 00		
Maryland Homeopathic Hospital	3,380 00	3,241 18		138 82
Hospital of the Good Samaritan	3,380 00	3,211 48		168 52
Deaf and Dumb at Frederick	500 00	496 75		3 25
Shelter for the Aged Colored Poor	1,000 00	1,000 00		
Boys' Home Society	3,000 00	3,000 00		
St. Mary's Home for Colored Boys	500 00	500 00		
St. Mary's Female Orphan Asylum	9,000 00	9,000 00		
St. Joseph's House of Industry	1,600 00	1,600 00		
Baltimore University Hospital	6,760 00	4,401 44		2,358 56
Maryland General Hospital	9,295 00	7,781 92		1,513 08
The Simmin's Home	1,500 00	1,000 00		500 00
St. Joseph's Hospital	5,070 00	4,775 19		294 81
St. Agnes' Hospital	5,070 00	4,110 33		959 67
Baltimore Manual Labor School	1,500 00	1,500 00		
St. Vincent de Paul Orphan Asylum	1,600 00	1,600 00		
House of the Good Shepherd for Colored Girls	2,500 00	2,500 00		
Provident Hospital	3,380 00	2,159 40		1,220 60
General German Orphan Asylum	1,000 00	1,000 00		
Hebrew Hospital and Asylum Association	1,500 00	1,500 00		
Free Baths	500 00	500 00		
Dental Dispensary, University of Maryland	500 00	500 00		
Southern Homeopathic Free Dispensary	800 00	800 00		
Northeastern Free Dispensary	1,200 00	1,200 00		
Eastern " "	1,800 00	1,800 00		
Baltimore General Free Dispensary	1,800 00	1,800 00		
" Medical College Free Dispensary	1,200 00	1,200 00		
Maryland Homeopathic Free Dispensary	800 00	800 00		
College of Physicians and Surgeons' Free Dispensary	1,500 00	1,500 00		

STATEMENT No. 3.—Continued.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
Woman's and Child's Hospital Free Dispensary	$500 00	$500 00		
Baltimore University " "	1,000 00			1,000 00
University of Maryland " "	1,000 00	1,000 00		
Baltimore College of Dental Surgery, Free Dispensary	500 00	500 00		
Southern Free Dispensary	1,000 00	1,000 00		
Provident Hospital Free Dispensary	800 00	800 00		
Baltimore Eye, Ear and Throat Charity Hospital, Free Dispensary	500 00	500 00		
Evening Dispensary for Working Girls	700 00	700 00		
Baltimore Homeopathic Free Dirpensary	500 00	500 00		
Totals	$383,250 00	$374,581 42	$3,380 20	$12,048 78
Certain Expenses.				
Criminal Court	$ 70,000 00	$79,895 62	$9,895 62	
Baltimore City Court	15,000 00	14,011 48		427 52
Baltimore City Court No. 2		561 00		
Court of Common Pleas	14,000 00	14,057 45	57 45	
Superior Court	15,000 00	15,423 68	423 68	
" " No. 2	8,500 00	3,672 00		4,828 00
Circuit Court	4,200 00	4,191 85		8 15
" " No. 2	2,600 00	3,915 65	1,315 65	
Orphans' Court	7,000 00	6,780 00		220 00
Judges at large	6,000 00	5,750 00		250 00
Judgments and suits	5,000 00	4,369 68		630 32
Coroners	7,000 00	7,000 00		
City Jail	51,000 00	50,997 97		2 03

Magistrates' Salaries	17,500 00	17,408 87		91 13
Supreme Bench	4,000 00	3,994 50		5 50
City Jail heating apparatus	5,000 00	4,991 06		8 94
Totals	$231,800 00	$237,020 81	$11,692 40	$6,471 59
Interest on stock debt	$1,447,287 00	$1,447,287 00		

Opening Streets.

Patapsco street	$715 14	$715 14		
Race "	946 60	946 60		
Burke "	71 46	71 46		
Cooksie "	75 00	75 00		
Etting "	48 77	48 77		
Forrest "	307 92	307 92		
Madison "	890 32	890 32		
Dallas "	383 43	383 43		
Ten-foot alley	89 91	89 91		
Hollin's street (city limits to Catherine)	2,809 45	2,809 45		
" " (" " " Calverton road)	79 02	72 02		
Ninth or Barnum street	136 33	136 33		
Tenth or Holmes "	5,190 51	5,190 51		
Bouldin alley (Bloom to Baker street)	112 33	112 33		
" " (Laurens to Wilson)	357 50	357 50		
Carroll street	1,448 31	1,448 31		
Cleveland street	1,965 29	1,965 29		
Nanticoke "	2,549 23	2,549 23		
Lanvale "	11,170 53	11,170 53		
Burrow "	1,250 60	1,250 60		
Ludlow "	3,659 74	3,659 74		
Patterson avenue	3,543 76	3,543 76		
Brunt street	$606 53	$606 53		
Ensor "	19,548 10	19,548 10		
Myrtle avenue	10,487 39	10,487 39		
Bayard street	3,533 60	3,533 60		

STATEMENT No. 3.—Concluded.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
A 70-foot street	25,726 91	25,726 91		
Rose "	11,179 17	11,179 17		
Townsend "	3,656 92	3,656 92		
Gay " (widening)	22,315 04	22,315 04		
Clement "	2,328 35	2,328 35		
Port "	7,914 67	7,914 67		
Jefferson "	6,180 93	6,180 93		
Fairmount avenue	12,631 67	12,631 67		
	$163,910 43	$163,910 43		
Sinking Funds.				
General	$234,345 37	$214,002 38		$20,342 99
Internal Improvement 1928 Loan	85,216 50	79,790 66		5,425 84
Funding 1936 Loan	20,330 50	18,360 43		1,970 07
Public Improvement 1940 Loan	56,811 00	53,151 63		3,659 37
Four Million 1945 Loan	14,202 75	13,246 89		955 86
Water 1916 Loan	56,811 00	49,857 17		6,953 83
Water 1922 Loan	14,202 75	12,464 29		1,738 46
Water 1926 Loan	28,405 50	26,596 86		1,808 64
Totals	$510,325 37	$467,470 31		$42,855 06
Grand Totals	$7,432,949 57	$7,266,492 51	$28,037 04	$194,494 10
				28,037 04
Net balance carried into the General Treasury		$166,457 06		$166,457 06
	$7,432,949 57	$7,432,949 57		

Over-expenditure in Street Cleaning Department—Authorized by Resolution No. 91, approved October 13, 1897.
" " Health Department—Authorized by Sec. 19, Art. 23, Code 1893.
" " Public School Department—Authorized by Sec. 35, Art. 44, Code 1893.
" " Care of insane patients in asylums—Contracted for by Ordinance.
Interest, State Tax, and Court Expenses are liens upon the city and must be paid.

Supplemental Statement No. 3.

	Appropriations 1897.	Expenditures 1897.	Balance. Dr.	Balance. Cr.
Ordinances and Resolutions.				
Inlets, Baltimore street and Frederick avenue	$ 750 00	$ 750 00		
Park avenue, paving	8,214 85	8,214 85		
Quarantine	3,700 00	3,700 00		
City Jail, heating apparatus	5,000 00	5,000 00		
Appeal Tax Court, incidental expenses	700 00	700 00		
Repairs, Fire Boat "Cataract"	9,200 00	9,200 00		
Mayorality	300 00	300 00		
Accounted for in previous statement	$27,864 85	$27,864 85		
Mrs. Mary Talbott, widow	400 00	400 00		
Alfred Mason, architect	270 00	270 00		
First Naval Battalion, M. N. G.	2,500 00	2,500 00		
Fifth Regiment Infantry, M. N. G.	3,000 00	3,000 00		
Charity Commission		196 00		
New Charter Commission		126 60		
Actual appropriation	$34,034 85	$34,357 45		
Total appropriation	36,100 00	34,357 45		$1,742 55

STATEMENT No. 4.

COMPARATIVE STATEMENT BASED UPON LEVY DECEMBER 31, 1897.

	Estimate.	Receipts.	Appropriations.	Expenditures.
Direct:				
Cr.				
Direct tax..... 52c.	$1,057,186 00	$954,743 12	.....	.....
" " arrearages.....	573,987 50	524,617 93	.....	.....
" " Annex.....	147,400 00	189,502 58	.....	.....
Income from mortgages.....	10,000 00	4,717 06	.....	.....
Assessment of securities.....	129,000 00	142,907 82	.....	.....
Interest taxes in arrears.....	38,000 00	39,980 55	.....	.....
Sundry accounts.....	665,304 26	701,044 40	.....	.....
Dr.				
Inspector of Buildings.....	.....	.....	$158,339 37	$123,862 44
" " Annex.....	.....	.....	108,192 19	99,286 32
Street Cleaning Department.....	.....	.....	349,787 05	344,913 24
" " " Annex.....	.....	.....	39,605 00	29,562 66
General Superintendent of Lamps.....	.....	.....	356,594 50	348,075 22
" " " Annex..	.....	.....	55,213 00	53,601 65
Harbor Commission.....	.....	.....	76,362 79	70,540 34
Health Department.....	.....	.....	83,700 00	85,371 95
" " Annex.....	.....	.....	3,800 00	3,782 64
Fire "	.....	.....	395,500 00	395,424 80
" " Annex.....	.....	.....	74,350 00	74,271 49
City Commissioner's Department.....	.....	.....	209,432 98	204,901 39
" " " Annex..	.....	.....	21,089 00	19,903 82
" Collector's Department.....	.....	.....	59,400 00	59,088 14
Commissioners for Opening Streets.....	.....	.....	10,100 00	9,979 61
Liquor License Commission.....	.....	.....	15,000 00	14,608 44
Supervisors of Election.....	.....	.....	81,800 00	77,183 98
General expenditures.....	.....	.....	436,643 35	421,236 26
City Library.....	.....	.....	8,299 54	8,212 94
Superintendent of Public Buildings.....	.....	.....	41,900 00	41,870 54
Total.....	$2,620,877 76	$2,557,513 46	$2,585,108 77	$2,485,677 87

Public Schools:				
Cr.				
School tax.....36¾c.	747,145 88	674,746 35	.....	.....
" " arrearage	322,812 50	298,908 93	.....	.....
State of Maryland.....	210,635 00	214,618 29	.....	.....
Tuition fees.....		4,059 91	.....	.....
Dr.				
City	.....	.....	1,118,298 00	1,098,487 77
Annex.....	.....	.....	155,700 00	154,786 90
Totals.....	$1,280,593 38	$1,192,333 48	$1,273,998 00	$1,253,274 67
Police Department:				
Cr.				
Police tax.....30c.	$609,915 00	$550,813 31	.....	.....
" arrearages	233,025 00	223,870 11	.....	.....
Dr.				
City.....	.....	.....	$837,270 00	$837,270 00
Totals.....	$842,940 00	$774,683 42	$837,270 00	$837,270 00
City Poor:				
Cr.				
Poor tax.....13c.	$264,296 50	$238,685 79	.....	.....
" arrearages.....	94,825 00	92,084 22	.....	.....
Bayview Asylum.....	1,500 00	1,533 13	.....	.....
Fines	3,700 00	4,888 40	.....	.....
Dr.				
Hospitals, dispensaries, etc.....	.....	.....	$383,250 00	$374,581 42
Totals.....	$364,321 50	$337,191 54	$383,250 00	$374,581 42

STATEMENT No. 4.—Continued.

	Estimate.	Receipts.	Appropriations.	Expenditures.
Certain Expenses:				
Cr.				
Court tax.....7½c.	$152,478 75	$137,703 42	.....	.....
" arrearages.....	77,675 00	72,438 77	.....	.....
Jail.....	7,500 00	5,475 02	.....	.....
Dr.				
Sundry courts ard jails.....	.....	.....	$231,800 00	$237,020 81
Totals.....	$237,653 75	$215,617 21	$231,800 00	$237,020 81
Interest on Stock Debt:				
Cr.				
Interest tax.....32½c.	$660,741 25	$596,714 46	.....	.....
" " arrearage.....	233,025 00	226,810 96	.....	.....
Commissioners of Finance.....	124,038 79	124,038 79	.....	.....
Water Board.....	313,984 75	313,984 75	.....	.....
Park Board.....	33,287 50	33,287 50	.....	.....
Western Maryland R. R.....	82,740 00	82,740 00	.....	.....
Dr.				
Interest sundry loans.....	.....	.....	$1,447,287 00	$1,447,287 00
Totals.....	$1,447,817 29	$1,377,576 46	$1,447,287 00	$1,447,287 00
Opening Streets:				
Cr.				
Street tax.....10c.	$203,305 00	$183,604 45	.....	.....
" arrearage.....	40,356 25	33,422 41	.....	.....
Dr.				
Opening sundry streets.....	.....	.....	$163,910 43	$163,910 43
Totals.....	$243,661 25	$217,026 86	$163,910 43	$163,910 43

General Sinking Fund:				
Cr.				
Tax .....8¼c.	$167,726 62	$151,473 66	.....	.....
" arrearages.....	66,618 75	62,528 72	.....	.....
Dr.				
Sinking Fund.....	.....	.....	$234,345 37	$214,002 38
Totals	$234,345 37	$214,002 38	$234,345 37	$214,002 38
Int. Imp. 1928 *Loan Sinking Fund:*				
Cr.				
Tax.....3c.	$60,991 50	$55,081 34	.....	.....
" arrearages.....	24,225 00	24,709 32	.....	.....
Dr.				
Sinking Fund.....	.....	.....	$85,216 50	$79,790 66
Totals	$85,216 50	$79,790 66	$85,216 50	$79,790 66
Funding 1896 *Loan Sinking Fund:*				
Tax .....01c.	$20,330 50	$18,360 43	.....	.....
" arrearages.....	.....	.....	.....	.....
Dr.				
Sinking Funds.....	.....	.....	$20,330 50	$18,360 43
Totals	$20,330 50	$18,360 43	$20,330 50	$18,360 43
Public Imp. 1940 *Loan Sinking Fund:*				
Cr.				
Tax .....02.	$40,661 00	$36,720 92	.....	.....
" arrearages.....	16,150 00	16,430 71	.....	.....
Dr.				
Sinking Funds.....	.....	.....	$56,811 00	$53,151 63
Totals	$56,811 00	$53,151 63	$56,811 00	$53,151 63

STATEMENT No. 4.—Concluded.

	Estimate.	Receipts.	Appropriations.	Expenditures.
Four Million 1945 *Loan Sinking Fund:*				
Cr.				
Tax .....00½.	$10,165 25	$9,180 22	.....	.....
" arrearages	4,037 50	4,066 67	.....	.....
Dr.				
Sinking Funds	.....	.....	$14,202 75	$13,246 89
Totals	$14,202 75	$13,246 89	$14,202 75	$13,246 89
Water 1916 *Loan Sinking Fund:*				
Cr.				
Tax .....02c.	$40,661 00	$36,720 91	.....	.....
" arrearages	16,150 00	13,136 26	.....	.....
Dr.				
Sinking Funds	.....	.....	$56,811 00	$49,857 17
Totals	$56,811 00	$49,857 17	$56,811 00	$49,857 17
Water 1922 *Loan Sinking Fund:*				
Cr.				
Tax .....00½c.	$10,165 25	$9,180 22	.....	.....
" arrearages	4,037 50	3,284 07	.....	.....
Dr.				
Sinking Funds	.....	.....	$14,202 75	$12,464 29
Totals	$14,202 75	$12,464 29	$14,202 75	$12,464 29

Water 1926 *Loan Sinking Fund:*				
Cr.				
Tax .01c.	$20,330 50	$18,360 44	....	.....
" arrearages	8,075 00	8,236 42	.....	.....
Dr.				
Sinking Funds	.....	... .	$28,405 50	$26,596 86
Totals	$28,405 50	$26,596 86	$28,405 50	$26,596 86
Grand totals	$7,548,190 30	$7,139,412 74	$7,432,949 57	$7,266,492 51

SUMMARY OF COMPARATIVE STATEMENT BASED UPON LEVY, DECEMBER 31, 1897.

	Receipts.	Expenditures.	Balance. Dr.	Balance. Cr.
Direct tax, etc	$2,557,513 46	$2,485,677 87	.....	$71,835 59
Public schools, etc	1,192,333 48	1,253,274 67	$60,941 19	.....
Police Department	774,683 42	837,270 00	62,586 58	.....
Interest on stock debt, etc	1,377,576 46	1,447,287 00	69,710 54	.....
Certain expenses, etc	215,617 21	237,020 81	21,403 60	.....
City poor, etc	337,191 54	374,581 42	37,389 88	.....
Opening streets	217,026 86	163,910 43	.....	53,116 43
General Sinking Fund	214,002 38	214,002 38	.....	.....
Water 1916 Loan Sinking Fund	49,857 17	49,857 17	.....	.....
" 1926 " " "	26,596 86	26,596 86	.....	.....
" 1922 " " "	12,464 29	12,464 29	.....	.....
Internal Imp. 1928 Sinking Fund	79,790 66	79,790 66	.....	.....
Public " 1940 " "	53,151 63	53,151 63	.....	.....
Four Million 1945 " "	13,246 89	13,246 89	.....	.....
Funding 1936 " "	18,360 43	18,360 43	.....	.....
Totals	$7,139,412 74	$7,266,492 51	$252,031 79	$124,952 02
		7,139,412 74	124,952 02	
Net deficit		$127,079 77	$127,079 77	

STATEMENT No. 5.

TRIAL BALANCE SHEET, DECEMBER 31, 1897.

	Dr.	Cr.
City Register, cash on hand	$865,502 81	
Due from Four Million Loan	31,478 81	
Tax Sales, property sold, unredeemed	2,386 87	
Dangerous walls, amount to be refunded	106 00	
*Mayor and City Council, deficiency	119,116 56	
Temporary Loans, due		$819,000 00
Park Board, balance		4,243 91
Improvement Harford Run, balance		3,096 89
Water Board, balance		44,021 08
Free Text Books (white) balance		2,314 37
" " " (colored) balance		5,731 80
Cash balance, account Five Million Loan		28,653 04
" " " Six " "		44,008 76
Paving streets, balance forward		10,678 13
Opening " " "		21,507 57
Intestate estates, account public schools		1,986 41
Paving certificates, outstanding		33,349 09
	$1,018,591 05	$1,018,591 05

Mayor and City Council.

To estimated receipts for 1897	$7,548,190 30	
" less actual receipts	7,139,412 74	
		$408,777 56
(See Statement No 2.)		
To removed cases (not appropriated for)		844 83
" Inspector of Illuminating Oils (not appropriated for)		7 20
To closing Whitelock street, over-expended in 1928 Loan, 1895 and 1896		423 31
		$410,052 90
By appropriations for 1897	$7,432,949 57	
" less actual payment	7,266,492 51	
		$166,457 06
(See Statement No. 3.)		
By excess of estimated receipts over appropriations		$115,240 73
By balances from paved streets, accounts closed		292 19
By balances from opening streets, accounts closed		8,946 36
By deficiency for year 1897		119,116 56
		$410,052 90

No. 6.—STATEMENT OF FIVE MILLION

Accounts.	Authorized Appropriation.	Actual Appropriation.
Opening of Douglas street	$400,000 00	$373,173 16
Widening Fayette street	550,000 00	555,124 59
Widening East Baltimore street	250,000 00	168,220 33
Constructing sewers*	1,750,000 00	1,743,035 73
Completed to December 31, 1896		1,581,713 84
Fulton avenue		19,326 64
Pulaski street		11,500 00
Patterson Park		35,000 00
McHenry street		17,700 00
Pulaski and Franklin streets		47,265 88
Elm street, drain pipe		589 37
School-houses and lots	400,000 00	400,000 00
Completed to December 31, 1896		397,486 53
Building Annex School No. 3		2,513 47
Repaving streets*	1,000,000 00	997,582 38
Completed to December 31, 1896		997,582 38
Improving Patterson Park	200,000 00	200,000 00
Purchasing park, southwest Baltimore, Carroll	50,000 00	50,000 00
Building bridges	250,000 00	259,177 96
Completed December 31, 1896		259,177 96
Building addition to Court House	150,000 00	
	5,000,000 00	
Not Available.		
Court House appropriation.. $150,000 00		
Returned to Finance Coms.. 94,003 66		
	244,003 66	
Totals	4,755,996 34	4,746,614 45
Received from Commissioners of Finance.	4,755,996 34	
Total expenditures to date	4,727,343 30	
Balance on hand	$28,653 04	

1928 INTERNAL IMPROVEMENT LOAN.

Expended to Dec. 31, 1896.	Expended in 1897.	Total Expenditures to Date.	Balance. Dr.	Balance. Cr.
$373,473 46		$373,473 46		
555,124 59		555,124 59		
168,220 33		168,220 33		
1,722,194 49	$1,570 09	1,723,764 58		$19,271 15
1,581,713 84		1,581,713 84		
19,099 61	227 03	19,326 64		
40,943 94	556 06	41,500 00		
33,428 85		33,128 85		1,571 15
				17,700 00
17,008 25	197 63	47,205 88		
	589 37	589 37		
397,486 53	2,513 47	400,000 00		
397,486 53		397,486 53		
	2,513 47	2,513 47		
997,582 38		997,582 38		
997,582 38		997,582 38		
200,000 00		200,000 00		
50,000 00		50,000 00		
259,177 96		259,177 96		
259,177 96		259,177 96		
4,723,259 74	4,083 56	4,727,343 30		19,271 15

Credits to General Accounts.

Constructing sewers ..	6,964 27
Repairing streets	2,417 62
	$9,381 89

Accounts.	Authorized Appropriation.	Actual Appropriation.
Court House and Record Building	$1,750,000 00	$1,750,000 00
Topographical Survey	125,000 00	125,000 00
Paving Streets, totals	1,600,000 00	1,600,000 00
Completed to December 31, 1896		1,504,684 41
Aliceanna street		28,128 21
Broadway		35,725 60
Patterson avenue		31,461 78
*School Houses and Lots, totals	400,000 00	399,312 88
Completed to December 31, 1896		232,312 88
Lot and building, Baltimore City College		167,000 00
*Opening Streets, totals	300,000 00	300,000 00
Completed to December 31, 1896		152,448 81
Opening McCulloh street		79,405 37
" Whitelock "		19,150 85
Widening Union Dock		48,994 97
*Constructing Sewers, totals	1,000,000 00	918,389 79
Completed to December 31, 1896		352,172 65
Druid Hill avenue		37,743 61
Race street		2,000 00
Fremont avenue		91,730 63
West street		8,000 00
Bruce alley		59,938 29
Charles street		66,228 07
North Charles street		5,096 56
Patapsco street, sewer extension		43,793 64
Alluvion street		100,517 19
Presstman street		30,000 00
Beason street		10,182 90
Greene to Pearl street		1,392 71
Eager street		16,000 00
Henrietta street		964 93
Camden street		628 61
Stockholm street		40,000 00
Lanvale street		40,000 00
Clifton avenue		12,000 00
Conduits for underground wires	225,000 00	225,000 00
*Building bridges, totals	600,000 00	587,000 78
Completed to December 31, 1896		560,541 46
Wilkens avenue		26,459 32
Totals	6,000,000 00	5,904,703 45
Received from Commissioners of Finance		5,284,400 00
Total expenditures to date		5,240,391 24
Balance on hand		$44,008 76

1940 PUBLIC IMPROVEMENT LOAN.

Expenditures to Dec. 31, 1896.	Expended in 1897.	Total Expenditures to date	Balance. Dr.	Balance. Cr.
$711,696 99	$463,177 11	$1,174,874 10	.....	$575,125 90
125,000 00	.....	125,000 00	.....	.....
1,568,184 22	31,815 78	1,600,000 00	.....	.....
1,504,684 41	.....	1,504,684 41	.....	.....
27,786 10	342 11	28,128 21	.....	.....
35,713 71	11 89	35,725 60	.....	.....
.....	31,461 78	31,461 78	.....	.....
376,810 43	7,066 50	383,876 93	.....	15,435 95
232,312 88	.....	232,312 88	.....	.....
144,497 55	7,066 50	151,564 05	.....	15,435 95
297,495 85	.....	297,495 85	.....	2,504 15
152,448 81	.....	152,448 81	.....	.....
77,658 01	.....	77,658 01	.....	1,747 36
19,150 85	.....	19,150 85	.....	.....
48,238 18	.....	48,238 18	.....	756 79
764,463 06	82,680 52	847,143 58	.....	71,246 21
352,172 65	.....	352,172 65	.....	.....
32,814 90	4,928 71	37,743 61	.....	.....
1,554 70	.....	1,554 70	.....	445 30
91,562 79	167 84	91,730 63	.....	.....
3,555 46	.....	3,555 46	.....	4,444 45
59,376 80	561 49	59,938 29	.....	.....
65,994 27	233 80	66,228 07	.....	.....
225 94	4,870 62	5,096 56	.....	.....
43,567 22	226 42	43,793 64	.....	.....
75,695 55	24,821 64	100,517 19	.....	.....
29,163 72	161 49	29,325 21	.....	674 79
7,126 63	3,056 27	10,182 90	.....	.....
1,379 13	13 58	1,392 71	.....	.....
55 10	12,100 14	12,155 24	.....	3,844 76
145 41	819 52	964 93	.....	.....
19 22	609 39	628 61	.....	.....
53 57	9,971 75	10,025 32	.....	29,974 68
.....	15,555 14	15,555 14	.....	24,444 86
.....	4,582 72	4,582 72	.....	7,417 28
225,000 00	.....	225,000 00	.....	.....
560,541 46	26,459 32	587,000 78	.....	.....
560,541 46	.....	560,541 46	.....	.....
.....	26,459 32	26,459 32	.....	.....
4,629,192 01	611,199 23	5,240,391 24	.....	$664,312 21

*Credits to General Accounts.

School houses and lots....	$687 12
Constructing sewers	81,610 21
Building bridges.....	12,999 22
	$95,296 55

No. 8.—STATEMENT OF FOUR MILLION

Accounts.	Authorized Appropriation.	Actual Appropriation.
New Court House	$1,000,000 00	$1,000,000 00
Public Parks	1,000,000 00	722,366 30
Clifton Park		722,366 30
Enlargement of water supply	2,000,000 00	2,000,000 00
Totals	4,000,000 00	3,722,366 30
Received from Coms. of Finance		1,420,500 00
Total expenditures to date		1,451,978 81
Due from Commissioners of Finance		$31,478 81

1915 LOAN.

Expended to Dec. 31, 1896.	Expended in 1897.	Total Expenditures to Date.	Balance. Dr.	Balance. Cr.
.....	.....	.....	.....	$1,000,000 00
$722,366 30	.....	$722,366 30	.....	277,633 70
722,366 30	.....	722,366 30	.....	.....
12,779 57	$716,832 94	729,612 51	.....	1,270,387 49
$735,145 87	$716,832 94	$1,451,978 81	.....	$2,548,021 19
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....

STATEMENT No. 9.—STREETS OPENED, WIDENED AND CLOSED BY CONDEMNATION.

	Ordinances. No.	Ordinances. Year.	Jan. 1, 1897. Dr. Balance.	Jan. 1, 1897. Cr. Balance.	Expenditures in '97.	Receipts in 1897.	Balance. Dr.	Balance. Cr.
Alley bet. Eden and Spring street	97	1883			$65 75	$52 75	$13 00	
Bouldin alley	106	1887		$538 57		112 33		$650 90
" "	110	1889		726 82	612 50	388 13		502 45
Brunt street	100	1894	$45 55			606 53		560 98
*Bayard "	54	1894	124 40		6,212 80	6,406 30		69 10
Burrow "	95	1892		153 05	1,343 33	1,688 10		497 82
Bradford "	96	1895	414 65				414 65	
Burke "	162	1889				888 00		888 00
" "	224	1884				71 46		71 46
Beason "	93	1885			141 23		141 23	
Clement "	163	1896	583 64		4,055 56	6,738 31		2,099 11
*Carroll "	89	1894		280 88	2,832 52	2,770 33		218 69
*Cleveland street	87	1893	148 50		3,358 33	3,705 29		198 46
*Covington "	12	1891		736 81				736 81
Clarkson alley	112	1884	508 75		8 50		517 25	
Collington avenue	4	1896		1,186 57		413 00		1,599 57
Chesapeake street	127	1896	264 58		88 38		352 96	
Chase "	114	1893	250 00		66 75		316 75	
Chesapeake "	126	1896	482 68		110 51		593 19	
Cooksie "	24	1887				75 00		75 00
Chew "	88	1893			275 78	458 14		182 36
Castle "	124	1894		765 47				765 47
Dallas "	50	1891			50 00	383 43		333 43
" "	115	1888			42 80		42 80	
Ensor "	44	1892		4,554 82	16,168 10	19,889 10		8,275 82
Etting "	71	1892				48 77		48 77
Fairmount avenue	131	1893	495 08		19,703 02	21,976 22		1,778 12

Fulton avenue	105	1892	61 65				61 65	
Fayette street	133	1893	174 78		32,632 35	34,451 42		1,644 29
Florence "	99	1889			497 00		497 00	
Francis "	101	1889			226 00		226 00	
*Forrest "	97	1891			258 60	677 92		419 32
Grove "	138	1896	212 89		114 61		327 50	
Glover "	149	1896	250 25		172 90		423 15	
Gt. Constitution street	43	1895		190 30				190 30
Hoffman street	66	1897			170 55		170 55	
Hollins "	75	1889			3,375 00	4,017 45		642 45
*Hollins "	41	1890				79 02		79 02
*Jefferson "	117	1896	297 48		10,154 55	10,700 93		248 90
" "	71	1897			20 52		20 52	
*Kirby's lane	130	1886	11 40				11 40	
Lanvale street	87	1891		1,027 08	19,001 00	18,326 89		352 97
Ludlow "	72	1892	66 71		5,900 22	6,192 46		225 53
*Lanvale "	130	1893			106 93		106 93	
Marshall "	62	1897			155 97		155 97	
*Madison "						890 32		890 32
Maryland "	167	1896			19 95		19 95	
*Myrtle avenue	129	1891	92 53		16,880 50	17,259 76		286 73
Morris street	103	1889			465 30		465 30	
Northwest street	65	1897			190 67		190 67	
Ninth or Barnum street	101	1891				136 33		136 33
*Nanticoke street	80	1893		608 20	4,431 68	4,019 91		196 43
Neighbor "	106	1894	30 25				30 25	
Port "	50	1896			10,295 68	10,689 35		393 67
Patuxent "	47	1884	300 00		69 75	494 01		124 26
Port "	95	1895	565 38				565 38	
*Port alley "	86	1887			128 78		128 78	
Patterson avenue	98	1889	106 85		4,977 50	6,501 61		1,417 26
Pulaski street	131	1891	97 76				97 76	
Payson "	130	1891		20 49				20 49
*Penn "	110	1887		140 00				140 00
Porter "	171	1890			159 18		159 18	
Paca "	23	1887			92 94		92 94	
*Patapsco "	81	1887			159 38		159 38	

STATEMENT No. 9.—Concluded.

	Ordinances. No.	Ordinances. Year.	Jan. 1, 1897. Dr. Balance.	Jan. 1, 1897. Cr. Balance.	Expenditures in '97.	Receipts in 1897.	Balance. Dr.	Balance. Cr.
Patapsco street	39	1883				$715 14		$715 14
*Rose "	46	1894	$461 68		$19,519 29	20,066 93		82 96
Race "	113	1881			462 55		$462 55	
" "	139	1875				946 60		946 60
Smallwood street	179	1893	29 95		390 51		420 46	
Stevenson "	67	1897			198 59		198 59	
St. Paul "	68	1897			248 46		248 46	
*Townsend "	165	1893	63 15		9,873 74	10,482 67		545 78
*Ten-foot alley	149	1889		$59 11		89 91		149 35
Tenth or Holmes street	75	1889			2,200 00	6,813 13		4,613 13
West street	94	1892			11 30		11 30	
West Baltimore street	37	1889			61 88		61 88	
*Wells street						22 50		22 50
Closing Streets.								
*Birckhead street	113	1888		132 11	225 33			206 81
Fourth lane	131	1896	78 82		81 18	215 00		55 00
Gilmor's "	116	1896	182 64		300 18		482 82	
Morris alley	150	1890	15 00				15 00	
*Whitelock lane	95	1896	113 67		134 96	301 13		52 50
Widening Streets.								
*East and Chestnut streets.	95	1891		347 96	937 31	118 75	470 60	
*Gay street	106	1892		14,281 79	41,824 51	35,320 04		4,777 32
			$6,533 67	$26,050 39	$245,263 16	$256,200 37	$8,673 75	$39,127 68

Credit balance Jan. 1, 1897	19,516 72					
Excess of receipts over expenditures in 1897		10,937 21				
Credit balance Dec. 31, 1897					30,453 93	
	$26,050 39	$26,050 39	$256,200 37	$256,200 37	$39,127 68	$39,127 68

Balance December 31, 1897		$30,453 93
To streets completed and balances closed to Mayor and City Council account		8,946 36
To balances carried forward to 1898		$21,507 57
Receipts from City Collector, individual benefits	$ 85,865 61	
" " " " city "	163,910 43	
" " old material and other sources	6,424 33	
	$256,200 37	

STATEMENT No. 10.—STATEMENT OF STREETS PAVED AND PAID BY ASSESSMENT.

	Ordinances.		Jan. 1, 1897, Dr. Balance.	Jan. 1, 1897. Cr. Balance.	Expenditures in '97.	Receipts in 1897.	Balance. Dr.	Balance. Cr.
	No.	Year.						
Andre street	162	1893		$2,465 27				$2,465 27
Alley between Union and Third avenue	H.	D.			$6 50		$6 50	
Alley between McKim and Hillman streets	13	1897			46 98	$111 56		64 58
Alley between Eighth and Ninth streets	H.	D.			1,382 03		1,382 03	
*Appleton street	Req.		$238 99				238 99	
Beason "	163	1893		661 91	3,221 97	2,560 06		
*Brevard "	191	1893	697 23				697 23	
*Bush "	113	1895	23 17				23 17	
Baker "	118	1895		2,184 72	2,706 24	521 52		
*Bayard "	93	1894	14 95		6,546 90	6,562 13		28
*Barclay "	196	1893	35 61				35 61	
Bruce alley	49	1896	26 40		2,091 37	2,117 77		
Beason street	90	1894	159 49		34 67	723 43		529 27
Covington street	127	1894		3,031 14	3,870 62	839 48		
*Chester "	89	1895		12 58				12 58
*Chase "	103	1895	549 94				549 94	
*Clement "	125	1894	43 79				43 79	
Collington avenue	80	1897			15 30		15 30	
Castle street	124	1893			70 32	224 28		153 96
*Cannon "	75	1895		155 61				155 61
Carey "	151	1896			146 84	1,641 52		1,494 68
Cannon "	100	1895		7,135 02	4,554 58	996 78		3,577 22
Calhoun "	161	1896			38 65	584 77		546 12
Durham "	35	1897			12 51		12 51	
Druid Hill avenue	81	1897			13 92		13 92	

*Eastern avenue	203	1893	813 13				813 13	
*Fulton "	47	1887				82 17		82 17
Federal street	189	1893		233 34	233 34			
Gunpowder street	97	1894	25 35				25 35	
Girard avenue	27	1897			54 68		54 68	
Hamburg street	101	1895	255 26				255 26	
*Jefferson "	88	1895	185 70				185 70	
*Johnson "	108	1894	73 65				73 65	
Kirby's lane	64	1897			55 85	17 85	38 00	
Luzerne street	144	1896	29 19		2,570 20	2,599 39		
*Lanvale "	92	1894	480 44				480 44	
*Luzerne "	48	1896		118 47				118 47
Little Forrest street	64	1897			476 46	20 76	455 70	
Lanvale "	160	1896			920 00	920 00		
*Luzerne "	97	1895	152 75				152 75	
Lawrence "	128	1894		158 95	2,015 68	1,856 73		
*Montford avenue	109	1895	461 09		47 60	45 38	463 31	
Marshall street	16	1897			10 58		10 58	
*Mount Royal avenue	96	1888				78 49		78 49
*Milton avenue	90	1895		$27 09				$27 09
Monroe street	95	1894	$46 38				$46 38	
*McCulloh street	69	1894		124 88				124 88
McElderry "	104	1895	159 98				159 98	
Madison "	12	1897			$82 29	$4,701 28		4,618 99
Mulberry "	14	1897			6 17		6 17	
Marshall "	137	1893		239 51	1,466 36	1,226 85		
Mount "	165	1896	4 75		1,048 99	1,053 74		
*North avenue	100	1886				8,071 85		8,071 85
Northwest street	159	1896	4 87		1,237 37	1,242 24		
North avenue	123	1896	14 50		32 27	3,868 69		3,821 92
*Oliver street	177	1893	249 46		214 00		463 46	
*Pulaski "	147	1890	1,107 69				1,107 69	
*Preston "	106	1895		7,015 96	7,015 96	550 77		550 77
Pulaski "	23	1897			42 82		42 82	
*Patapsco "	47	1896		154 55				154 55

STATEMENT No. 10.—Concluded

	Ordinances. No.	Year.	Jan. 1, 1897. Dr. Balance.	Jan. 1, 1897. Cr. Balance.	Expenditures in '97.	Receipts in 1897.	Balance. Dr.	Balance. Cr.
*Preston "	102	1895	1,916 31				1,916 31	
Payson "	60	1897			42 74		42 74	
*Preston "	104	1893	1,175 52				1,175 52	
Riggs avenue	11	1895	2,339 40				2,339 40	
Richardson street	91	1894	15 75		22 75		38 50	
*Ridgely "	94	1894	668 47		1,650 08	2,318 97		42
*Rose "	114	1895	98 25				98 25	
Scott street	129	1894			57 82		57 82	
*Spring street	174	1893		27 85				27 85
Twenty-one and a-half st.	H.	D.			587 39		587 39	
Twenty-first street					26 63		26 63	
Twenty-third "	142	1896	4 00		66 11		70 11	
*Wolfe "	105	1893	601 68				601 68	
*Whitelock "	111	1895		7 80				7 80
Twenty-third and a-half st.	H.	D.			551 99	21 66	530 33	
Alley bet. Robinson street and East avenue	H.	D.			120 84		120 84	
Paving footways			291 54		41 36	77 96	254 94	
			12,964 68	$23,754 65	$45,457 73	$45,638 08	$15,714 50	$26,684 82
Cr. balance Jan. 1, 1897			10,789 97					

Excess of receipts over expenditures				180 35		
Cr. balance Dec. 31, 1897					10,970 32	
	$23,754 65	$23,754 65	$45,638 08	$45,638 08	$26,684 82	$26,684 82

Cr. Balance December 31, 1897 ..... $10,970 32
*Work completed and balance closed to Mayor and City Council account 292 19

Balance carried forward to 1898 ..... $10,678 13

STATEMENT No. 11.

WILLIAM F. STONE, REGISTER, IN ACCOUNT WITH MAYOR AND CITY COUNCIL OF BALTIMORE.

Jan.	1—	To Balance					$ 379,174	95	
"	31—	To Cash					642,853	88	
Feb.	1—	"	City Col. Tax Returns				913,599	58	
"	28—	"					1,986,622	44	
Mar.	1—	"	"	"			91,275	14	
"	31—	"					591,956	51	
April	2—	"	"	"			103,298	10	
"	30—	"					878,284	47	
May	4—	"	"	"			96,728	69	
"	31—	"					335,314	88	
June	2—	"	"	"			55,537	10	
"	30—	"					1,239,172	64	
July	7—	"	"	"			70,130	57	
"	31—	"					1,037,863	31	
Aug.	4—	"	"	"			2,544,514	45	
"	31—	"					81,749	84	
Sept.	2—	"	"	"			298,173	18	
"	30—	"					537,962	90	
Oct.	2—	"	"	"			253,101	91	
"	31—	"					798,939	80	
Nov.	1—	"	"	"			248,124	00	
"	30—	"					887,275	14	
Dec.	1—	"	"	"			311,715	24	
"	31—	"					636,765	97	
"	31—	"	"	"			963,165	00	
Jan.	31—	By Cash							$ 1,324,574 47
Feb.	28—	"							1,782,371 88
Mar.	31—	"							1,029,916 95
Apr.	30—	"							815,926 93
May	31—	"							668,459 10
June	30—	"							895,875 58
July	31—	"							2,765,923 61
Aug.	31—	"							1,510,977 92
Sep.	30—	"							983,977 98
Oct.	31—	"							1,024,100 90
Nov.	30—	"							1,333,768 50
Dec.	31—	"							981,923 06
		Balance							865,502 81
							$15,983,299	69	$15,983,299 69

STATEMENT No. 12.

LOAN, CASH ACCOUNTS.

SIX MILLION 1940 PUBLIC IMPROVEMENT LOAN.

1897.			
Jan. 1—By receipts from stock to date.....			$4,750,000 00
" " " " during year.			534,400 00
1897.			
Jan. 1—To expenditures to date		$4,629,615 32	
" " during year.....		610,775 92	
" balance Jan. 1, 1898.....		44,008 76	
		$5,284,400 00	$5,284,400 00

FIVE MILLION 1928 INTERNAL IMPROVEMENT LOAN.

1897.			
Jan. 1—By receipts from stock to date			$4,850,000 00
1897.			
Jan. 1—To expenditures to date.....		$4,723,259 74	
" " during year.....		98,087 22	
" balance Jan. 1, 1898.....		28,653 04	
		$4,850,000 00	$4,850,000 00

FOUR MILLION 1945 LOAN.

1897.			
Jan. 1—By receipts from stock to date			$735,100 00
" " " " during year			685,400 00
" balance Jan. 1, 1898.....			31,478 81
1897.			
Jan. 1—To expenditures to date		$735,145 87	
" " during year.....		716,832 94	
		$1,451,978 81	$1,451,978 81

STATEMENT NO. 13.

RECEIPTS AND EXPENDITURES FOR THE 21ST AND 22D WARDS, (ANNEX) FOR THE YEAR 1897.

To salaries, public schools		$129,893 50
" expenses, " "		24,893 40
" gas		21,484 52
" electric lights		6,245 04
" gasoline		8,733 24
" lamplighters		17,138 85
" salaries Health Department		3,782 64
" " Fire "		43,296 91
" expenses " "		28,474 58
" equipping Engine House No. 20		
" new fire-alarm boxes		
" lot for Engine House No. 21		2,500 00
" salary Superintendent Street Cleaning		1,000 00
" garbage carts and men		16,869 00
" street carts and men		4,995 00
" sweepers and scrapers		6,585 60
" tools		113 06
" Inspector of Buildings, salaries		1,200 00
" repairs of city property		3,994 73
" livery		200 00
" building Annex School No. 3		42,187 70
" " " No. 18		37,038 28
" " Engine House No. 20		725 50
" " " No. 21		13,940 11
" repairs, streets, roads, etc		18,814 82
" macadamizing Augusta avenue		1,089 00
" refunded taxes		82 34
" City Collector's Department		3,799 92
" election, salaries of judges and clerks		648 00
" " room rents		378 00
" " advertising, printing, etc		1,057 42
" registration, salaries for registers		3,888 00
" " room rents		730 00
" " advertising, printing, etc		1,292 50
		$447,071 66
By receipts from Tax Collector:		
" taxes direct	$128,458 22	
" " on bonds, stocks, etc	14,317 16	
" " in arrears	59,600 08	
" interest	1,444 28	
		$203,819 74
By repairs, roads, streets, etc		9 56
" excess of expenditures over receipts		243,242 36
		$447,071 66 $447,071 66

Expenses of Police Department should be added to the above, but are not stated, as record of same for Annex has not been kept separate.

TABLES.

TABLE A.

BELAIR MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$ 560 00	$2,275 00	$2,835 00
Permanent stalls	840 00	334 68	1,174 68
Eave "	985 00	199 00	1,184 00
Street eave "	.....	380 00	380 00
Movable "	167 50	129 50	297 00
Fish "	120 00	117 00	237 00
Street "	.....	888 50	888 50
Street season stalls	.....	20 00	20 00
Per diems	.....	.....	2,962 75
	$2,672 50	$4,343 68	$9,978 93

Clerk—Charles Kleinjohn.

CANTON MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$35 00	$55 00	$ 90 00
Permanent stalls	70 00	47 00	117 00
Eave "	70 00	29 15	99 15
Space "	10 00	2 00	12 00
Per diems	.....	.....	173 40
	$185 00	$133 15	$491 55

Clerk—John Cadden.

CENTRE MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$290 00	$905 00	$1,195 00
Permanent stalls	225 00	102 00	327 00
Eave "	370 00	72 00	442 00
Street eave "	.....	140 00	140 00
Movable "	300 00	134 00	434 00
Gutter "	.....	420 00	420 00
Permanent fish stalls	215 00	151 00	366 00
Eave " "	135 00	66 00	201 00
Street " "	.....	130 00	130 00
Gutter " "	.....	120 00	120 00
Per diems	.....	.....	1,921 25
	$1,535 00	$2,240 00	$5,696 25

Clerk—J. E. Hendricks.
Assistant Clerk—Charles C. Sanner.

CROSS STREET MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$305 00	$536 00	$841 00
Permanent stalls	.....	435 00	435 00
Eave "	.....	705 00	705 00
Street "	.....	320 00	320 00
Fish "	60 00	60 00	120 00
Per diems	.....	.....	2,011 00
	$365 00	$2,056 00	$4,432 00

Clerk—Wm. A. Torney.

FELL'S POINT MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$295 00	$1,200 00	$1,495 00
Permanent stalls	455 00	664 00	1,119 00
Eave "	305 00	139 00	444 00
Space "	637 50	847 50	1,485 00
Movable "	215 00	86 00	301 00
Fish "	65 00	52 00	117 00
Street "	.....	294 50	294 50
Per diems	.....	.....	1,440 95
	$1,972 50	$3,283 00	$6,696 45

Clerk—P. J. Campbell.

HANOVER MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$270 00	$963 00	$1,233 00
Permanent stalls	325 00	195 00	520 00
Eave "	370 00	148 00	518 00
Fish "	75 00	47 00	122 00
Street "	.....	542 50	542 50
Per diems	.....	.....	1,139 80
	$1,040 00	$1,895 50	$4,075 30

Clerk—Alonzo Jones.

HOLLINS MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$205 00	$474 00	$679 00
Permanent stalls	.....	180 00	180 00
Fish "	.....	55 00	55 00
Eave "	.....	212 50	212 50
Space "	.....	195 00	195 00
Street eave "	.....	115 00	115 00
Pavement "	.....	25 00	25 00
Street "	.....	556 00	556 00
End "	.....	60 00	60 00
Nine months "	.....	12 00	12 00
Three " "	.....	12 00	12 00
Per diems	.....		1,567 60
	$205 00	$1,896 50	$3,669 10

Clerk—Ellison Knight.

LAFAYETTE MARKET.

	License and Rent.	*Total.*
Butcher stalls	$301 67	$301 67
Permanent stalls	526 00	526 00
Eave "	494 00	494 00
Space "	40 00	40 00
Street eave "	30 00	30 00
Street "	50 00	50 00
Per diems	.....	1,289 40
	$1,441 67	$2.731 07

Clerk—J. Frank Forrester.

LEXINGTON MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$ 550 00	$2,210 00	$2,760 00
Permanent stalls	1,070 00	856 00	1,926 00
Eave "	1,090 00	436 00	1,526 00
Movable "	220 00	88 00	308 00
Fish "	240 00	96 00	336 00
Vegetable "	245 00	343 00	588 00
W. side Lexington St. stalls.	.....	1,442 50	1,442 50
" " Eutaw " "	.....	252 50	252 50
Paca street stalls	.....	132 50	132 50
Greene " "	.....	85 00	85 00
Pearl " "	.....	225 00	225 00
Pine " "	.....	5 00	5 00
Street eave "	.....	660 00	660 00
Per diems	.....	.....	4,151 65
	$3,415 00	$6,831 50	$14,398 15

Clerk—Francis Gates.
Assistant Clerk—Casper W. Erek.

NORTHEAST MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$85 00	$170 00	$255 00
Permanent stalls	60 00	48 00	108 00
Fish "	.....	14 00	14 00
Space "	.....	513 50	513 50
Eave and End stalls	55 00	25 50	80 50
Street stalls	.....	10 00	10 00
Per diems	.....	.....	658 50
	$200 00	$781 00	$1,639 50

Clerk—Henry Ahrens.

RICHMOND MARKET.

	License.	*Rent.*	*Total.*
Butcher stalls	$250 00	$514 50	$764 50
Permanent stalls	150 00	169 00	319 00
Eave "	155 00	130 00	285 00
Aisle "	.....	80 00	80 00
Movable "	82 50	27 50	110 00
Fish "	100 00	103 35	203 35
Street "	.....	302 50	302 50
Space "	.....	310 00	310 00
Per diems	.....	.....	1,659 30
	$737 50	$1,636 85	$4,033 65

Clerk—Dixon C. Gourley.

TABLE A—Continued.

COMPARATIVE STATEMENT OF PER DIEMS FROM DIFFERENT MARKETS.

Markets.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total, 1897.	Total, 1896.
Belair.....	$219 50	$204 10	$235 10	$245 25	$275 00	$265 40	$271 00	$262 15	$237 85	$272 65	$238 55	$236 20	$2,962 75	$2,614 05
Canton.....	12 00	10 50	11 30	13 10	15 20	13 00	16 00	16 80	16 20	18 20	16 00	15 10	173 40	153 60
Centre.....	140 20	131 60	166 35	167 30	188 20	187 25	173 00	152 70	170 55	160 95	142 90	140 25	1,921 25	1,789 15
Cross street.	141 90	128 50	146 40	152 45	182 05	179 85	197 70	188 70	167 95	195 20	167 15	163 15	2,011 00	2,044 95
Fells Point.	119 40	106 75	120 90	120 75	127 20	128 25	120 15	118 05	111 75	125 80	120 30	121 65	1,440 95	1,480 35
Hanover....	84 75	74 30	86 30	98 25	108 90	93 15	105 70	99 00	100 25	100 45	91 85	96 90	1,139 80	1,245 15
Hollins....	115 10	103 15	115 85	119 70	141 15	146 90	147 25	132 50	147 50	145 95	128 25	124 30	1,567 60	1,487 00
Lafayette..	107 80	101 20	104 05	109 60	118 00	114 80	123 20	110 70	102 35	108 85	91 70	97 15	1,289 40	800 20
Lexington..	338 90	301 00	335 90	341 50	349 00	351 20	368 50	347 10	315 00	367 00	290 20	446 35	4,151 65	3,918 70
Northeast..	43 60	41 50	46 10	48 10	59 80	56 90	68 60	60 10	58 80	63 30	55 40	56 30	658 50	669 20
Richmond..	115 60	117 15	131 20	140 00	150 90	131 70	148 30	135 45	145 05	147 40	138 45	158 10	1,659 30	1,174 10
													$18,975 60	$17,376 45

Increase over 1896, $1,599 15.

TABLE A.—Concluded.

COMPARATIVE STATEMENT SHOWING RECEIPTS AND EXPENDITURES OF MARKETS.

	1897.		1896.	
	Dr.	*Cr.*	*Dr.*	*Cr.*
Belair Market.....	$506 00	$9,978 93	$511 72	$9,737 80
Canton "	175 16	473 55	178 70	536 10
Centre "	646 50	5,714 25	638 15	5,959 15
Cross Street Market.	312 00	4,432 00	363 03	4,561 20
Fells' Point "	520 20	6,696 45	508 00	6,842 35
Hanover "	435 96	4,075 30	435 96	4,304 65
Hollins "	324 00	3,669 10	347 90	3,666 00
Lafayette "	275 77	2,731 07	323 05	2,368 20
Lexington "	684 30	14,398 15	666 00	20,626 70
Northeast "	340 35	1,639 50	369 00	1,625 20
Richmond "	416 05	4,033 65	383 56	3,250 10
	$4,626 29	$57,841 95	$4,725 07	$63,477 45
Less expenses.....		4,626 29		4 725 07
Net revenue..... ..		$53,215 66		$58,752 38
Jas. A. Strong's Est., due 1895.....		.....		.....
		.....		6,550 00
		$53,215 66		$52,202 38
Increase over 1896...		.....		$1,013 28
		$53,215 66		$53,215 66

TABLE B.—PUBLIC HALLS.

HOLLINS HALL.

By rent.....		$182 00
To expense cleaning, etc.....	$ 71 25	
To net revenue.....	110 75	
	$182 00	$182 00

CROSS STREET HALL.

By rent.....		$393 10
To expense cleaning, etc.....	$ 97 14	
To net revenue.....	295 96	
	$393 10	$393 10

TABLE C.

GENERAL LICENSES.

	1897.	1896.
Wagons, one horse	$18,443 67	$18,196 50
" two and three horse	10,419 15	10,381 85
" four and more horse	934 90	792 35
Carts	4,471 60	4,754 35
Drays	262 70	290 30
Peddlers	903 00	975 75
Hacks, cabs, cars and omnibuses	3,549 45	3,710 90
Package carts	637 75	576 45
Lighters	800 16	757 25
Bacon, market	1,575 00	2,100 00
Sausage and pudding, market	232 55	298 80
Merchandise (women) market	215 80	242 95
Telegraph poles	13,464 00	13,604 50
Foreign fruit	446 25	580 00
Billiard tables	1,936 10	1,849 30
Bagatelle tables	658 35	586 60
Pawnbrokers	800 00	800 00
Dogs	742 25	649 75
Coal oil	1,719 40	2,006 10
Theatrical	3,619 75	3,317 00
	$65,831 83	$66,470 70
Decrease during 1897	638 87	
	$66,470 70	$66,470 70

TABLE D.

RECEIPTS FROM WHARFAGE FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1897.

	1st Dis.	2d Dis.	3d Dis.	4th Dis.	5th Dis.	Total.
January	$67 50	$201 34	$178 85	$390 50	$1,258 73	$2,096 92
February	72 80	220 72	217 31	394 50	1,364 31	2,269 64
March	56 00	206 82	237 73	533 00	1,273 34	2,306 89
April	53 00	225 22	278 59	589 25	1,672 79	2,818 85
May	60 15	337 48	193 59	461 56	1,842 91	2,895 69
June	55 75	275 16	343 10	396 31	1,738 02	2,808 34
July	40 00	455 59	482 24	524 02	1,533 52	3,035 37
August	49 00	406 90	480 66	450 96	1,881 61	3,269 13
September	50 75	440 70	570 73	845 65	1,712 23	3,620 06
October	41 40	461 75	445 73	549 41	1,776 26	3,274 55
November	73 10	242 92	370 79	520 25	1,272 05	2,479 11
December	63 05	201 41	130 91	600 75	1,378 35	2,374 47
1897	$682 50	$3,676 01	$3,930 23	$6,256 16	$18,704 12	$33,249 02
1896	$740 65	$3,256 78	$2,669 03	$4,633 50	$16,209 29	$27,509 25

STATEMENT.	1897.	1896.
Amount paid to harbor masters	$ 6,644 32	$ 5,501 85
" " " boatmen	1,166 66	1,200 00
" " " rent, incidentals	527 47	429 45
Net receipts	24,910 57	20,377 95
	$33,249 02	$27,509 25
Increase net revenue over 1896		$4,532 62

HARBOR MASTERS.

Wm. P. Frazier	1st District.
John E. Curiey	2d "
Wm. M. Stewart	3d "
O. W. Miller	4th District.
Charles Bangs	5th "

TABLE E.

DOG POUND.

By dogs redeemed		$259 00
" " sold		35 25
" " carcasses		21 16
By total revenue received		$315 41
" appropriation		$1,300 00
To dog catchers	$606 50	
" rent of lot	300 00	
" fuel and expenses	62 35	
" unexpended balance	646 56	
	$1,615 41	$1,615 41

FINES.

Magistrates.

By Central Station		$683 50
" Western "		389 50
" Northwestern Station		668 00
" Southern "		357 50
" Southwestern "		407 50
" Eastern "		298 00
" Northeastern "		254 00
" At-large		306 50
" Substitutes		111 50
" Sheriffs		1,539 40
" Harbor Board		180 00
To amount remitted by Mayor	$ 307 00	
" net revenue	4,888 40	
	$5,195 40	$5,195 40

TABLE F.

SUPERIOR COURT NO. 1.

By appropriation		$15,000 00
" expenditures over appropriation		423 63
To three bailiffs	$4,500 00	
" stenographer	1,500 00	
" janitor	420 00	
" jurors	5,498 50	
" extra stenographer	700 00	
" clerks' fees	2,200 78	
" sheriff's fees	590 90	
" rent of hall	12 00	
" interpreter	1 50	
	$15,423 68	$15,423 68

SUPERIOR COURT NO. 2.

By appropriation		$8,500 00
To jurors	$3,372 00	
" stenographer	300 00	
" unexpended balance	4,828 00	
	$8,500 00	$8,500 00

CRIMINAL COURT.

By appropriation		$70,000 00
" expenditures over appropriation		9,895 62
To bailiffs	$7,500 00	
" grand jurors	8,184 00	
" petit "	6,196 50	
" clerks' fees	20,923 60	
" sheriff's fees	20,864 40	
" professional services	400 00	
" witness' fees	558 45	
" transportation of prisoners	41 56	
" stenographers	175 64	
" attorneys	465 00	
" meals for jurors	417 70	
" printing	211 75	
" State's Attorney	13,242 97	
" expe;t testimony	290 00	
" removed cases	40 00	
" detective expenses	26 90	
" expense hanging P. Monahan	303 15	
" directories	12 00	
" interpreters	42 00	
	$79,895 62	$79,895 62

COURT OF COMMON PLEAS.

By appropriation		$14,000 00
By expenditures over appropriation		57 45
To two bailiffs	$3,000 00	
" stenographer	1,500 00	
" watchman	1,000 00	
" clerk expense	1,409 85	
" jurors	6,208 50	
" habeas corpus	245 00	
" sheriff fees	397 60	
" extra stenographer	240 00	
" stationery and printing	53 50	
" interpreters	3 00	
	$14,057 45	$14,057 45

BALTIMORE CITY COURT No. 1.

By appropriation		$15,000 00
To bailiff	$4,500 00	
" jurors	5,856 00	
" clerk's fees	1,556 05	
" habeas corpus	510 40	
" stenographers	924 40	
" stationery and advertising	250 13	
" sheriff fees	392 00	
" interpreters	22 50	
" unexpended balance	988 52	
	$15,000 00	$15,000 00

BALTIMORE CITY COURT No. 2.

To jurors	$561 00

CIRCUIT COURT No. 1.

By appropriation		$4,200 00
To bailiffs	$3,900 00	
" clerk's fees	258 30	
" stationery, etc	33 55	
" unexpended balance	8 15	
	$4,200 00	$4,200 00

CIRCUIT COURT No. 2.

By appropriation		$2,600 00
" expenditures over appropriation		1,315 65
To bailiffs	$2,875 00	
" watchman	900 00	
" clerk's fees	102 00	
" expenses	38 65	
	$3,915 65	$3,915 65

ORPHANS' COURT.

By appropriation		$7,000 00
" judges' salary	$5,544 00	
" bailiffs' salary	1,236 00	
" unexpended balance	220 00	
	$7,000 00	$7,000 00

SUPREME BENCH.

By appropriation		$4,000 00
To judges' salary	$3,925 00	
" jury list	25	
" interpreters	34 50	
" rent of Raine's Hall	10 00	
" unexpended balance	5 50	
	$4,000 00	$4,000 00

JUDGE-AT-LARGE.

By appropriation	.....	$6,000 00
To bailiffs	$5,625 00	.....
" unexpended balance	375 00	.....
	$6,000 00	$6,000 00

POLICE DEPARTMENT.

3	Commissioners				$7,500 00	
1	Secretary				2,000 00	
1	Assistant to Secretary				1,200 00	
3	Physicians				3,000 00	
1	Marshal				1,938 83	
1	Deputy Marshal				2,000 01	
1	Clerk to Marshal,	52	weeks at	$25 00	1,300 00	
8	Captains,	52	" "	30 00	12,480 00	
16	Lieutenants,	52	" "	25 00	20,800 00	
15	Detectives,	52	" "	23 00	17,940 00	
14	Round Sergeants,	52	" "	23 00	16,744 00	
74	Squad "	52	" "	20 00	76,960 00	
620	Policemen,	52	" "	18 00	580,320 00	
14	Turnkeys,	52	" "	18 00	13,104 00	
7	Station Clerks,	52	" "	18 00	6,552 00	
35	Probation Officers,	52	" "	12 00	21,840 00	
14	Matrons,	52	" "	10 00	7,280 00	
						$792,958 84
Bernard Carter, professional services					$991 33	
George R. Gaither, " "					604 35	
William Colton " "					500 00	
J. J. Linney, Stenographer					517 00	
Bond, W. W. Johnson, Treasurer					25 00	
Stationery, printing, books, etc					2,268 90	
Coal, wood, etc					2,465 51	
Advertisements					138 23	
Gas, Welsbach lights, etc					3,009 02	
Electric lights, supplies, etc					785 91	
Four horses					500 00	
Horseshoeing					642 89	
Harness, repairs and stable supplies					307 90	
Five hostlers					2,247 00	
Medicine					229 05	
Feed					2,396 87	
Wagon repairs, etc					803 55	
Rental for stables					657 25	
Music					264 00	
Directories					108 00	
Police belts					94 70	
Espantoons					63 75	
Canes					3 00	
Whistles					25 00	
Cartridges					18 00	
Paints and oil					54 80	
Hardware					83 28	
Two typewriters					179 12	
Carried forward					$19,983 41	$792,958 84

Brought forward	$19,983 41	$792,958 84
Hire steam launch	12 00	
Expenses of J. Frey to Pittsburg conventi'n	27 50	
Clothing and repairs	67 37	
Badges	7 10	
Photographic supplies	48 83	
Beds, mattresses, etc	68 56	
House furnishing supplies	238 59	
Ice	247 39	
Telephones	45 00	
Dr. W. Bolgiano, professional services	15 00	
Furniture	308 64	
Lumber	420 72	
Hose	88 00	
Hauling ballot boxes	115 00	
Twenty-nine special officers	72 50	
Meals for officers (election)	245 02	
Bicycles and repairs	638 20	
Carpets and rugs	482 53	
Introducing Bertillion system	100 00	
Inspection of helmets	20 00	
Whitewashing	15 00	
Incidental bills, unclassified	150 46	
Eastern Station, sundry bills	271 24	
Northeastern Station, sundry bills	252 25	
Central " " "	415 33	
Western " " "	289 48	
Northwestern " " "	269 78	
Southern " " "	393 73	
Southwestern " " "	250 58	
Headquarters, sundry bills	489 68	
		26,048 89

New Southern Station.

Contractor, account of building	$11,734 00	
Ironwork	1,910 00	
Ventilator	66 00	
Flag	8 50	
Heating apparatus	1,210 00	
Iron ceiling	907 60	
Steps and coping	272 00	
Beds and bedding	179 16	
Railing	106 50	
Wireing station	293 48	
Architects' Commission	1,861 62	
Furniture	348 75	
Gasfitting and plumbing	2,431 93	
Clock	20 00	
Photograph	12 50	
Electrical Commission	151 89	
		$21,513 93
Total expenses		$840,521 66
Less amount advanced out of general fund by Police Commissioners		3,251 66
Total payment, 1897		$837,270 00

Table H.

ELECTIONS.

By appropriation		$20,000 00
To advertising	$6,159 08	
" salaries of judges and clerks	5,442 00	
" printing, etc	2,119 78	
" room rent	3,056 00	
" election booths	1,357 97	
" repairing boxes	134 78	
" stationery	268 14	
" storage of booths, etc	388 45	
" meals	106 00	
" candles	33 96	
" examination of nomination papers	38 00	
" rent of New Assembly Rooms	50 00	
" insurance on booths	28 80	
" carriage hire	42 00	
" stove	12 00	
" delivery registration books, chairs, etc	28 75	
" incidentals	22 95	
" packing ballot boxes	27 00	
" Western Union Telegtaph Company, returns	25 00	
" unexpended balance	659 34	
	$20,000 00	$20,000 00

REGISTRATION.

By appropriation		$50,000 00
To Judges and Clerks	$32,631 00	
" room rent	6,108 00	
" advertising	3,313 28	
" printing	3,843 22	
" stationery	1,097 01	
" court charges	218 05	
" meals	78 00	
" Justices of the Peace	8 00	
" clerk hire	120 00	
" gas fixtures	22 00	
" postage, car fares, etc	46 38	
" rent of New Assembly Rooms	25 00	
" assistance to counsel	100 00	
" unexpended balance	2,390 06	
	$50,000 00	$50,000 00

TABLE I.

RENTALS ON CITY PROPERTY FOR 1897.

Grammar School No. 2, ground rent		$244 44
" " " 4, "		675 00
" " " 5, "		600 00
" " " 6, "		800 00
" " " 7, "		1,351 00
" " " 8, "		700 00
" " " 10, "		175 00
" " " 11, "		19 00
" " " 12, "		620 62
" " " 13, "		25 00
" " " 15, "		400 00
" " " 16, "		350 00
" " " 17, "		581 25
" " " 18, "		830 68
" " " 21, "		620 00
Primary " " 2, "		250 00
" " " 4, "		270 00
" " " 5, "		600 00
" " " 6, "		157 50
" " " 8, "		351 34
" " " 10, "		200 00
" " " 11, "		757 00
" " " 12, "		268 00
" " " 13, "		530 00
" " " 14, "		840 00
" " " 15, "		700 00
" " " 16, "		790 00
" " " 17, "		217 00
" " " 18, "		315 00
" " " 20, "		592 00
" " " 21, "		384 00
" " " 22, "		177 50
" " " 23, "		150 00
" " " 26, "		126 00
" " " 27, "		274 50
" " " 28, "		270 00
" " " 29, "		570 00
" " " 30, "		750 00
" " " 31, "		228 00
" " " 34, "		385 00
Grammar and Primary School No. 1, ground rent		354 00
Grammar and Primary School, No. 3, ground rent		900 00
Grammar and Primary School No. 19, ground rent		1,020 00
Female Grammar and Primary School, No. 1, ground rent		1,094 75
Carried forward		$21,513 58

Brought forward	$21,513 58	
English-German School No. 1, ground rent.	1,297 50	
" " " 2, "	372 50	
" " " 3, "	1,300 00	
" " " 4, "	501 75	
Annex School, No. 7, ground rent	22 50	
" " 8, "	480 00	
" " 10, "	360 00	
" " 11, "	290 00	
" " 18, "	1,155 00	
Annex School, Colored, No. 1, ground rent.	50 00	
Colored School No. 2, ground rent	225 00	
" " 3, "	312 00	
" " 4, "	70 00	
" " 5, "	70 00	
" " 6, "	300 00	
" " 7, "	480 00	
" " 8, "	959 75	
" " 9, "	630 00	
Western Female High School, ground rent	1,188 00	
Eastern " " "	615 90	
Baltimore City College, ground rent	4,600 00	
Baltimore Polytechnic Institute, ground rent	220 00	
Colored High and Grammar School No. 1, ground rent	600 00	
		$37,613 48
Engine House No. 2, ground rent	$62 50	
" " 3, "	150 00	
" " 6, "	62 00	
" " 7, "	156 00	
" " 11, "	123 75	
" " 12, "	150 00	
Hook and Ladder No. 1, "	100 00	
Engine House No. 1, Annex, ground rent.	61 50	
" " 2, " "	72 00	
" " 4, " "	75 00	
" " 6, " "	40 00	
		$1,052 75
Northeast Market, ground rent	$1,200 00	
Cross Street Market "	974 00	
Lexington Market, "	228 00	
		$2,402 00
Central Police Station, ground rent	$ 120 00	
City Hall, "	56 00	
Old City Hall, "	306 00	
Collington Square, "	960 00	
Riverside Park, "	3,770 62	
Perkins Spring, "	2,052 00	
Federal Hill Park, "	37 50	
Lot on Stiles street, "	160 00	
		$7,462 12
Grand total		$48,530 35

TABLE J.

JUDGMENTS AND SUITS.

By appropriation		$5,000 00
" Smith & Sharp		45 70
" Baltimore Trust & Guarantee Company		791 10
To W. Randolph Sheary	$53 45	
" Bernard Thillmann	25 00	
" Philip Canovan	105 00	
" William Finker	391 68	
" Alva Hubbard Heating Company	9 60	
" Louisa M. Broumel	138 50	
" Robt. Kinnear	40 00	
" Flynn & Emerich	18 20	
" J. W. Bond Co	15 55	
" J. T. S. Loane	36 10	
" City & Suburban Railway Company	155 30	
" W. H. Clay	20 00	
" Baltimore City Passenger Railway Co.	204 00	
" " " " " brief.	125 00	
" Baltimore, Catonsville & Ellicott Mills Railway	220 55	
" Noble H. Creager	117 60	
" Jos. Farnen, *et al*	359 20	
" " " " brief	255 00	
" Henry F. New	318 75	
" Henry Schmither	20 75	
" Edison Electric Company	3 50	
" Campbell Zell Company	125 00	
" Keely Institute of Maryland	500 00	
" Wm. J. H. Gluck	11 00	
" Thos. C. Campbell	125 00	
" Ella C. Merryman	228 50	
" Carmen & Phelps	6 50	
" James L. Gallagher	179 90	
" calendar	22 50	
" docket	96 50	
" law books	9 00	
" compiling city law docket	50 00	
" telephone	125 00	
" Baltimore Trust & Guarantee Company	245 00	
" Western Union Telegraph Company	16 65	
" Annie H. & C. C. Coats	46 80	
" John Wood	7 00	
" Thos. H. Gunther, trustee	252 50	
" R. Jackson	25 00	
" L. Flarsheim & N. E. Rose	15 00	
" Cowles vs. Horner	10 80	
" Crown Cork & Seal Company	10 10	
" John C. Leonard	175 00	
" Fred. B. Steiner	200 00	
" typewriter	90 00	
" executing paper	1 00	
" unexpended balance	630 32	
	$5,836 80	$5836 80

TABLE K.

DIARY OF CITY COUNCIL.

By appropriation		$65,000 00
To members salaries	$33,000 00	
" salaries First Branch employees	8,199 72	
" " Second " "	7,499 65	
" stationery	743 36	
" J. B. Kurtz, city printer	6,500 00	
" J. Sewell Thomas, secretary Ways and Means Committee	600 00	
" carriage hire	161 00	
" nine reporters of press	1,350 00	
" copies of codes and ordinances and delivering documents	287 50	
" expenses of Joint Special Committee on Garbage	161 50	
" expenses of Joint Special Committee on Water	150 00	
" attorneys' fees Nusbaum vs. Sommerlock	200 00	
" dedicating naval monument	300 00	
" engrossing resolution on death of Enoch Pratt	125 00	
" engrossing resolution complimentary to Percy C. Hennighausen	125 00	
" stenographer, investigation City College building	162 00	
" one month's salary old employees of the branches	1,069 96	
" telephone	81 15	
" ice	31 05	
" advertising, account Committee on Police and Jail	3 71	
" laundry, towels, etc	8 00	
" unexpended balance	4,238 40	
	$65,000 00	$65,000 00

TABLE L.

PARK BOARD.

By balance January 1, 1897		$4,638 85
" passenger railway receipts, as follows:		
" City Passenger Railway Company		91,729 83
" Baltimore Traction Company		61,316 72
" City and Suburban Railway Company		41,541 89
" Consolidated " "		37,585 90
" Central " "		15,866 13
" cash advanced by Balto. C. P. Ry. Co.		15,000 00
" revenue from parks		3,409 51
" balance from squares		745 98
To appropriation to squares	$27,500 00	
" expenditures	240,090 90	
" balance January 1, 1898	4,243 91	
	$271,834 81	$271,834 81

The above account covers the following: Druid Hill Park, Patterson Park, Clifton Park, Riverside Park, Federal Hill Park, Carroll Park, Mt. Royal Terrace, Johnson Park, Collington Park.

BALTIMORE TRACTION COMPANY.

Three Months previous to	1894.	1895.	1896.	1897.
January	$19,065 95	$16,619 52	$18,539 86	$20,438 26
April	14,594 67	14,919 09	16,855 58	18,875 50
July	16,031 13	18,347 33	21,604 82	22,002 96
*October	16,207 11	18,899 86	21,596 60	.....
	$65,898 86	$68,785 80	$78,596 86	$61,316 72
Curtis Bay	.....	.....	1,025 39	.....

CITY AND SUBURBAN RAILWAY COMPANY.

Three Months previous to	1894.	1895.	1896.	1897.
January	$9,553 33	$10,366 43	$14,458 75	$14,021 65
April	8,897 40	10,022 00	12,317 49	12,480 61
July	10,472 86	13,739 22	15,166 27	15,039 63
*October	10,897 40	16,439 33	16,080 32	.....
	$39,820 99	$50,566 98	$58,022 83	$41,541 89

BALTIMORE CITY PASSENGER RAILWAY COMPANY.

Three Months previous to	1894.	1895.	1896.	1897.
January	$19,544 87	$24,536 80	$24,415 01	$22,561 72
April	17,444 66	20,558 93	21,566 24	20,659 30
July	22,887 09	25,270 69	25,315 22	23,608 96
October	24,964 06	25,383 21	20,975 83	24,899 85
	$84,840 68	$95,749 63	$92,272 30	$91,729 83

CENTRAL RAILWAY COMPANY.

Three Months previous to	1894.	1895.	1896.	1897.
January	$4,766 46	$4,051 25	$3,686 14	$3,383 46
April	4,302 25	3,496 59	3,239 99	3,604 52
July	4,511 77	3,708 57	3,630 37	4,388 59
October	3,892 22	3,724 28	3,423 01	4,489 56
	$17,472 70	$14,980 69	$13,979 51	$15,866 13

CONSOLIDATED RAILWAY COMPANY.

	1897.
*October	$37,585 90

TABLE M.

ASHLAND SQUARE.

By appropriation		$100 00
To keeper's salary	$ 49 92	
" rope	66	
" flowers	34 94	
" hose	7 25	
" unexpended balance	7 23	
	$100 000	$100 00

Commissioners { Jas. Sapp, Edward Medinger.

BROADWAY SQUARES—FIRST DIVISION.

By appropriation		$2,000 00
To keeper's salary	$ 660 00	
" labor	576 75	
" flowers and plants	454 45	
" tools and repairs	111 30	
" cement work	70 00	
" soil and manure	62 60	
" unexpended balance	64 90	
	$2,000 00	$2,000 00

Commissioners { Edward C. Claus, Ernest A. Bettsworth, Henry M. Hurd.

BROADWAY SQUARES—SECOND DIVISION.

By appropriation		$1,500 00
To keeper's salary	$ 660 00	
" labor	385 85	
" flowers and plants	289 20	
" painting	46 50	
" tools and repairs	41 98	
" manure	55 00	
" cement work	15 80	
" ice	4 90	
" unexpended balance	77	
	$1,500 00	$1,500 00

Commissioners { Geo. C. Goldman, Walter W. White, M. D., Marion K. Burch.

BROADWAY SQUARES—THIRD DIVISION.

By appropriation		$1,900 00
To keeper's salary	$598 00	
" labor	777 95	
" flowers	234 23	
" cement work	163 00	
" storage on tools	27 50	
" manure and soil	20 50	
" tools and repairs	75 50	
" unexpended balance	3 32	
	$1,900 00	$1,900 00

Commissioners—George Bowman, Richard J. Bloxham, John H. Cronhardt, Jr.

EUTAW SQUARES—FIRST DIVISION.

By appropriation		$1,600 00
To keeper's salary	$600 00	
" labor	15 00	
" flowers	680 59	
" rent, tools, etc	75 00	
" sods and brush	7 00	
" repairs to fountain	3 45	
" fertilizers	64 75	
" unexpended balance	154 21	
	$1,600 00	$1,600 00

Commissioners—William T. Levering, W. L. Shaw, J. M. Wharton,

EUTAW SQUARES—SECOND DIVISION.

By appropriation		$1,800 00
To keeper's salary	$600 00	
" labor	47 75	
" flowers	601 14	
" tools and repairs	15 85	
" storage, tools, etc	60 00	
" painting	160 00	
" fish pond	12 00	
" plumbing, hose, etc	107 25	
" manure	55 00	
" unexpended balance	141 01	
	$1,800 00	$1,800 00

Commissioners—G. W. Wood, A. H. Russell, George J. Popplein.

EASTERN FOUNTAIN.

By appropriation		$1,000 00
To keeper's salary	$600 00	
" painting	65 60	
" flowers, plants, &c	308 30	
" repairs to fountain	2 50	
" tools, repairs and supplies	15 36	
" fuel	8 15	
" unexpended balance	09	
	$1,000 00	$1,000 00

Commissioners: Geo. Courtney, John W. Cruett, Nathan Rosenthal.

FULTON AVENUE SQUARES.

By appropriation		$2,000 00
To keeper's salary	$725 00	
" labor	398 00	
" flowers	700 80	
" fertilizers and sods	73 10	
" rent of tool house	20 00	
" painting	5 59	
" hose	15 30	
" tools and repairs	48 68	
" hire of horse and cart	10 50	
" unexpended balance	3 03	
	$2,000 00	$2,000 00

Commissioners: Benj. H. Bealer, H. W. Heckrote, Wm. Norris.

FRANKLIN SQUARE.

By appropriation		$1,200 00
To keeper's salary	$625 00	
" plants and seeds	259 90	
" sods	78 25	
" cement work	42 75	
" labor	53 75	
" tools and repairs	17 61	
" painting urns and benches	100 00	
" unexpended balance	22 74	
	$1,200 00	$1,200 00

Commissioners: Geo. W. Beard, G. S. Howser, J. W. M. Tibballs.

HARLEM PARK.

By appropriation		$2,500 00
To keeper's salary	$1,050 00	
" labor	1,018 50	
" bone dust	25 00	
" sods	71 25	
" dirt, sand and hauling	112 50	
" hose	30 60	
" tools and repairs	52 25	
" coal	60 00	
" lumber	30 49	
" manure	36 00	
" ice	9 50	
" unexpended balance	3 91	
	$2,500 00	$2,500 00

Commissioners { G. W. Jones, W. P. Reese, E. A. Holmes.

JACKSON SQUARE.

By appropriation		$1,000 00
To keeper's salary	$600 00	
" flowers	256 73	
" painting	50 00	
" repairs to fountain	13 00	
" tools	16 20	
" repair work	2 75	
" unexpended balance	61 32	
	$1,000 00	$1,000 00

Commissioners { W. A. Johnson, Howard D. Adams, George W. Corner, Jr.

LAFAYETTE SQUARE.

By appropriation		$1,500 00
To keeper's salary	$720 00	
" labor	180 45	
" tools and repairs	57 70	
" fertilizers	27 00	
" painting urns, benches, etc	105 00	
" fountain and repairs	87 75	
" coal and wood	8 75	
" seed and sods	11 60	
" hose	3 00	
" plants, flowers, etc	295 00	
" unexpended balance	3 75	
	$1,500 00	$1,500 00

Commissioners { John H. Winkelman, C. J. B. Swindell, H. G. Vickery.

MADISON SQUARE.

By appropriation		$1,400 00
To keeper's salary	$600 00	
" labor	370 50	
" plants and flowers	202 50	
" sods	42 00	
" manure	11 00	
" repairs of walks	15 00	
" dirt and hauling	9 00	
" lawn grass	8 95	
" tools and repairs	6 76	
" coal	3 15	
" unexpended balance	131 14	
	$1,400 00	$1,400 00

Commissioners — John H. Hoeck, C. D. Davis, John Solter.

MT. ROYAL AVENUE SQUARES.

By appropriation		$1,000 00
To keeper's salary	$520 00	
" labor	246 75	
" rent for tool house	90 00	
" flowers	18 00	
" trees	35 75	
" tools and repairs	26 95	
" unexpended balance	62 55	
	$1,000 00	$1,000 00

Commissioners — Michael Jenkins, H. E. Baltzell, R. W. Templeman.

MT. VERNON SQUARES.

By appropriation		$1,500 00
" cash advanced by commissioners		7 28
To keeper's salary	$700 00	
" labor	522 75	
" plants, etc	203 95	
" grass seed	11 25	
" hose	15 00	
" tools and repairs	54 33	
	$1,507 28	$1,507 28

Commissioners — Thomas M. Lanahan, Thomas Deford, W. F. Burns.

PARK PLACE SQUARE.

By appropriation		$750 00
To keeper's salary	$300 00	
" labor	36 00	
" flowers	355 14	
" hose and coupling	15 60	
" manure	9 00	
" repairing sidewalk	5 00	
" tools and repairs	9 33	
" unexpended balance	19 93	
	$750 00	$750 000

Commissioners { Jas. W. Sanders, D. C. Ammidon, M. E. Fuld.

PERKINS SPRING SQUARE.

By appropriation		$1,200 00
To keeper's salary	$ 750 00	
" labor	106 50	
" vase	50 00	
" plants	18 90	
" coal and wood	76 00	
" soil	16 50	
" tools and repair work	27 78	
" painting and whitewashing	16 25	
" grass	13 50	
" fertilizers	18 10	
" flag poles	71 50	
" water connection	12 00	
" crushed stone and cement	3 00	
" lumber	19 97	
	$1,200 00	$1,200 00

Commissioners { Wm. A. Poist, Wm. B. Saumenig, G. Henry Frey.

TANEY PLACE SQUARE.

By appropriation		$550 00
To keeper's salary	$300 00	
" flowers	163 26	
" paving walks	60 85	
" plumbing work	16 45	
" manure	7 00	
" tree	75	
" unexpended balance	1 69	
	$550 00	$550 00

Commissioners { Joseph S. West, A. B. Clark, J. Newport Potts.

UNION SQUARE.

By appropriation		$1,000 00
To keeper's salary	$600 00	
" labor	46 75	
" repairing gutter and pavement	32 44	
" trees and shrubbery	60 00	
" pruning and trimming trees	58 75	
" plants	30 00	
" cutting wood	23 75	
" coal and wood	8 30	
" iron vases	20 00	
" painting urns	18 50	
" hose	15 00	
" tools and repairs	22 38	
" repairs to fountain	2 00	
" unexpended balance	62 13	
	$1,000 00	$1,000 00

Commissioners: W. N. Smith, J. J. Tatum, Philip H. Lenderking.

WILKENS AVENUE SQUARE.

By appropriation		$2,000 00
To keeper's salary	$650 00	
" labor	538 16	
" flowers	489 55	
" seed	52 95	
" painting	92 70	
" plumbing	21 10	
" tools and repairs	36 03	
" hose	11 25	
" paving	28 50	
" hauling	28 50	
" rent of tool house	24 00	
" manure	9 00	
" glass	6 00	
" fertilizer	7 50	
" sods and printing	2 50	
" balance unexpended	2 26	
	$2,000 00	$2,000 00

Commissioners: Edward Andrews, Frederick L. Cahill, Gustav Siegmund.

COMPARATIVE STATEMENT OF EXPENDITURES ON PUBLIC SQUARES.

	1897.	1896.
Ashland Square	$92 77	$99 00
Broadway Squares, first division	1,935 10	1,870 22
" " second division	1,499 23	1,659 95
" " third "	1,896 68	1,862 29
Eutaw " first "	1,445 79	1,519 00
" " second "	1,658 99	1,738 35
Eastern Fountain	999 91	909 73
Fulton Avenue Squares	1,996 97	1,925 00
Franklin Square	1,177 26	1,161 86
Harlem Park	2,496 09	2,499 72
Jackson Square	938 68	900 51
Lafayette "	1,496 25	1,496 80
Madison "	1,268 86	1,347 22
Mt. Royal Avenue Square	937 45	743 40
Mt. Vernon "	1,500 00	
Park Place "	730 07	789 50
Perkins Spring "	1,200 00	1,409 23
Taney Place "	548 31	205 87
Union "	937 87	999 97
Wilkens Avenue "	1,997 74	1,944 13
	$26,754 02	$25,081 75

ANNUAL REPORT

—— OF THE ——

Inspector of Buildings,

—— TO THE ——

Mayor and City Council of Baltimore,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31st, 1897.

DEPARTMENT OF BUILDINGS.

PERSONNEL.

Inspector of Buildings:
BENJAMIN B. OWENS, No. 1402 Linden Avenue.

Clerk:
Alexander M. Montell, No. 833 N. Eutaw Street.

Assistant Inspector of Buildings:
George R. Bullen, No. 1210 W. Franklin Street.

Engineer:
Francis H. Waters, No. 2207 Bolton Avenue.

Inspector of Furnaces:
N. B. Shorey, No. 305 Roberts Street.

Superintendent of Construction of New Buildings.
M. O. Travers, No. 205 N. Fulton Avenue.

Special Inspector and Superintendent of Repairs:
John B. Walter, No. 642 Clinton Avenue.

Inspector of Northwestern District:
William Butzler, No. 1322 N. Bond Street.

Inspector of Northeastern District:
John P. Teal, No. 1831 Jefferson Street.

Inspector of Southeastern District:
John H. Horner, No. 1117 Granby Street.

Inspector of Southwestern District:
Henry Baker, No. 1129 West Lombard Street.

Inspector of Annex District:
J. Frank Crowther, Woodberry Avenue.

REPORT.

DEPARTMENT OF BUILDINGS—CITY HALL.

BALTIMORE, January 1, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In compliance with the provisions of law, I have the honor to submit herewith the following report of the transactions of the Department of Buildings for the year ending December 31, 1897.

A number of tables accompany this report which show concisely the appropriations and disbursements for the year; estimate of requirements for 1898; lists of permits issued, etc.

There has been no change in the personnel of the department during the year, nor has there been any increase or decrease of the number employed. Each member of the department has now had an experience of between one and two years, the result of which has been a decided gain in efficient working ability. But the entire force of the department (as named on page 3) is inadequate to properly and satisfactorily perform the duties expected of it. The territory assigned to the district inspectors is too large for them to supervise thoroughly; instead of five districts there should be seven, requiring two more men. An additional clerk should be given the department. To disburse an amount so large as $250,000 as was done during the year, to issue permits, to keep properly and accurately the accounts and records, etc., is far too much for one clerk to attend to, and I would respectfully urge that an assistant be allowed.

It gives me much pleasure to be able to report that there was far less disposition manifested by speculative builders to avoid compliance with the building ordinances during 1897 than was apparent in 1896, and fewer warrants for violations of law were issued. The application of the provisions of the law in the Annex (21st and

22d wards) is fairly well acquiesced in now, and the difficulties encountered by the department in enforcing them are rapidly becoming less.

NEW SCHOOL BUILDINGS.

CITY COLLEGE.

North Howard Street, opposite Centre Street.

The erection of this building was authorized by Ordinance No. 56 of 1894, and Ordinance No. 123, 1894.

The appropriations for same were as follows:

Ordinance No. 56, 1894—From Six Million Loan	$117,000 00
" " 123,1894—Levy	22,000 00
" " 33, 1895 "	15,000 00
" " 94, 1896 "	60,000 00
Total	$214,000 00
Amount expended to date	101,551 55
Balance	$112,448 45

No work has been done upon this building during the year, in accordance with the instructions of the Building Commission. I would recommend that some decision be reached concerning the proper disposition of this building at as early a day as may be practicable.

PRIMARY SCHOOL NO. 4.

Hanover and Lee Streets.

This building has not been fully completed, the assembly rooms on third floor being still unfinished. It is desired that the third floor be finished as class rooms, and an appropriation should be made for this purpose.

COLORED SCHOOL NO. 9

Carey and Chappell Streets.

This building was begun in 1896 (see report for 1896, page 8,) and finished in 1897. The total cost of building, including the heating and ventilating apparatus and the flush closets has been $40,408.70. Permit me to refer to special report of the heating

and ventilating apparatus of this building to be found in Engineer Water's report.

This building is three stories in height, containing eighteen class-rooms, with an average size of 24 feet by 30 feet, each having a capacity for forty-eight scholars, for which number the heating and ventilating apparatus is designed.

Ordinance No. 17, 1895, appropriated $35,000, and Ordinance No 57, 1897 (Levy), $3,500 additional, for the erection of this building. (See photograph of building.)

ANNEX SCHOOL NO. 18.

Linden Avenue and Koenig Street.

The erection of this building was begun in August, 1896, and finished, excepting the third story, in August, 1897.

The appropriations by Ordinance No. 44, of 1895, and No. 94, of 1896, were $45,000, with an additional appropriation by Ordinance No. 57, 1897 (Levy), of $7,000, making a total of $52,000.

The cost has been, as far as completed, $37,847.31 for building proper, and $6,908 for the heating and ventilating apparatus (which was put in by H. I. Gregory), and $3,229.17 for latrines, sewer, architect, etc., making a total of $47,984.48.

The building will contain, when completed, fourteen class-rooms and two assembly-rooms. Class-rooms are 24 feet by 32 feet, giving accommodations for fifty scholars each. The play-grounds here are large.

An appropriation should be made for the completion of the third story. This can be done during the next summer vacation.

See special report respecting the heating and ventilation and latrines. (See photograph of building.)

ANNEX SCHOOL NO. 3.—FEMALE DEPARTMENT.

St. Paul and Twenty-sixth Streets.

The appropriations for this building have been as follows, viz:

	Ordinance No. 73, 1896	$40,000 00
Additional by	" " 57, 1897 (Levy)	13,499 40
" "	" " 97, 1897 (Transfer)	2,513 47
Total		$56,012 87

The building has a frontage on Twenty-sixth street of 123 feet, and on St. Paul street of 100 feet. The building is L shaped, which admits of a yard in the northeast corner of lot. This yard is entirely inadequate for a school of this character, and it should be enlarged at the earliest opportunity. The drawings for the building were prepared by Mr. Jos. Evans Sperry, architect, and contract was let on September 9, 1896, to Messrs. Cornelius Sheehan & Son for $36,920. The building will contain 16 class-rooms 24 feet by 32 feet in size, with accommodations for fifty scholars each. Stairways are of ample width, and are fireproof, being constructed of slate and iron, and enclosed by brick walls. There is a large assembly-room on third floor which may be converted into four standard class-rooms (24 feet by 32 feet) with wide corridor between. Each class-room has a cloak-room attached. Teachers' rooms on each floor have proper toilet conveniences. The water closets are located in basement, are properly ventilated, and connect with city sewers. Coal storage vaults have been built under the side-walk on St. Paul street.

The heating and ventilating system was designed by Mr. Henry Adams, H & V. Engineer. Contract for the plant was awarded to Messrs. Crook, Horner & Co. for $10,268. (See Report of Engineer Waters for a description of the plant).

The total cost of building has been $56,000.

(See photographs of building).

COLORED GRAMMAR SCHOOL NO. 4.

Saratoga and Mount Streets.

The lot has a frontage on Mount street of 151 feet 4 inches, and on Saratoga street of 112 feet 10 inches. Ordinance No. 44 of 1896 appropriated $25,000 for the erection of the building, but as no provision was made by the levy of 1897 the requisite funds were not available, and nothing has been done except the preparation of the drawings, etc. These are ready for bidders. They were prepared by Mr. Joseph Evans Sperry, architect.

The amount designated by Ordinance No. 44, viz.: $25,000 will

not suffice to properly erect and equip this building, the design of which has been accepted by the proper authorities, and approved by the Art Commission. Not less than $45,000 should be appropriated for this work.

COLORED SCHOOL NO. 8.

Chester Street and Ashland Avenue.

This lot has a front on Chester street of 200 feet and a total depth (including the second purchase) of 133 feet 3 inches on Ashland avenue, binding on an alley on the east and also on the south side. This is an admirable lot and finely located.

Ordinance No. 45 of 1896 appropriated $30,000 for the building, but the levy of 1897 failed to provide the funds. Mr. Henry Brauns, architect, has prepared the drawings, etc., which have been carefully considered, accepted and approved. Not less than $50,000 should be provided for this work.

GRAMMAR SCHOOL NO. 7.

Eastern Avenue and Patuxent Street.

This lot fronts on Eastern avenue, facing Patterson Park, and runs from Patuxent to Harrison street 145 feet, and has a depth of 300 feet.

Ordinance No. 57 of 1896 appropriated $30,000 for this building, and Ordinance No. 8 of 1897 increased the amount to $50,000.

Drawings and specifications were prepared by Messrs. Wyatt & Nolting, architects, and the contract for the building awarded to Messrs. Henry Smith & Sons, May 17, 1897, for $48,505.00. There will be 23 class-rooms, of the standard size (24 feet by 32 feet) for the accommodation of 50 scholars each, two teacher' rooms, and one reception room. Good progress is being made with the erection of the buildings, notwithstanding unexpected difficulties encountered in securing an adequate foundation.

Mr. Henry Adams, H. & V. Engineer, has prepared plans for the heating and ventilation of this building. Contract not yet let.

NEW ENGINE HOUSE.

ENGINE HOUSE NO. 21.

Roland Avenue and Olive Place—Hampden.

This lot has frontage on Roland Avenue of 50 feet 6 inches, and a depth on Oliver Place of 100 feet. An appropriation of $15,000 was made by Ordinance No. 2 December 12, 1896, for the building. Drawings, etc., were prepared by Mr. George C. Haskell, architect, and contract awarded to John Stack & Son, March 15, 1897, for $13,490.00. The building has been completed, and is now occupied.

(See photograph of building.

REPAIRS, ETC., TO SCHOOL BUILDINGS.

The principal items of repairs to the different school buildings during the year will be found in the report of Inspector Walter, with this report.

REPAIRS, ETC., TO ENGINE AND TRUCK HOUSES.

The principal items of repairs made during the year will be found in the report of Inspector Walter, with this report.

DESIGNING PUBLIC BUILDINGS.

In designing the school buildings and engine-houses erected by this department during the last two years, it has been our aim to secure the desired results by the employment of the most efficient means available. Architects of recognized ability and experience only have been selected to prepare the designs. The planning and arrangement of schools and engine-houses have had the most careful consideration by the departments interested, and, after acceptance by them, the entire design of each building has been submitted to the Art Commission for its criticism, and not until its approval is given are the drawings placed in the builder's hands. Unfortunately many of our public buildings are not only lacking in judicious arrangement, but are often utterly devoid of

any architectural merit. Each one might, and should be, a thing of beauty, and hence a joy forever, for "we know that there is an architecture that has been not only an inspiration but a delight," * * * * * * "that has given world-wide and immortal fame to the people who created it and to the places where it stands; that has aroused the patriotism, strengthened and sustained the public spirit of the people who have dwelt within the light of its influence."—E. C. Gardner, in "Engineering Magazine."

CONDITION OF THE PUBLIC SCHOOL BUILDINGS.

The amount allowed this department for the repairs of school buildings would probably keep them in fairly good condition after the buildings had been put in a thorough state of repair, but it is not sufficient to do this and at the same time make the sundry minor alterations and improvements that the old schools are continually demanding. A number of the buildings are totally unfit for school purposes, badly arranged, illy ventilated, or not at all, and poorly lighted. Attention was called to these facts in my last report, and some of the buildings designated by number, etc. Money spent upon some of them would only be wasted, and one hundred thousand dollars would hardly suffice to remedy defects of heating, ventilation, sanitation, etc., and put the better class of these "delinquents" in a condition that shall no longer be discreditable to us and a menace to the health of our children.

CONCERNING VENTILATION.

Many of the school buildings are overcrowded. This renders the proper ventilation of the class-rooms all the more imperative. Improved methods have been introduced into the new buildings with satisfactory results, but the problem of ventilating the old buildings is not easy of solution, when lack of funds, peculiarities of construction, arrangement and situation are considered. No general plan can be devised for all; but each building must be treated as an individual case. Every building should be supplied with some method that does not depend for its proper working upon the care of teacher or scholar, but should be automatic in

its operation as far as practicable. An expenditure of from $1,500 to $2,500 in each building would install a ventilating plant, with electric motors and fans, to be used in connection with the heating apparatus, that would materially add to the comfort and health of the scholars. In some buildings the existing heating apparatus could be utilized without much difficulty or great expense, but in others the furnaces would have to be entirely renewed.

Attention is asked to the report of the engineer of this department, which treats fully of the methods of heating and ventilation of the new schools.

I would most earnestly urge the great importance of liberal appropriations for the proper ventilation of these old buildings.

SANITARY CONDITION.

An attempt has been made to remedy the unsanitary conditions of some of the schools. These conditions are bad in a number of places; in fact, very bad, and should not be allowed to continue. It seems unnecessary to specify; but wherever old cess-pools are found within a few feet of the school windows they should be cleaned out and filled with earth, and a system of flush closets and sewer connection provided. This would entail an expense of from $1,500 to $2,000 for each building, the precise amount being governed by size of school, length of sewer, etc.

In our last report attention was directed to No. 21 Grammar School, Gilmor and Presstman streets, No. 30 Primary, and Branch of No. 8 Grammar School, Hollins street near Monroe, where conditions existed as described in preceding paragraph. At all three of these buildings the old cess-pools have been thoroughly cleaned out, then filled up with earth and paved over and ranges of flushing water-closets placed in basement, and connection made with the city sewer.

There are several other buildings where this improvement should be made at once.

CONCERNING HEATING METHODS.

Quite a number of the older school buildings are heated by

stoves, one or more to each class-room as circumstances may demand. Proper ventilation is out of the question under these conditions, and open windows have to be depended upon for the supply of fresh air. Many buildings have the ordinary hot-air furnace, sometimes properly constructed, and with metal cold-air supply pipes and hot-air conduits. In some buildings the cold air is supplied to the furnaces through wooden boxes or conduits, the joints of which have been opened by the heat of the furnaces, permitting the dust and dirt of cellar to be drawn into the heat pipes and forced up into the class rooms, where it is very much in evidence upon the walls of the rooms. All such wooden conduits should be taken ont withont delay and metal pipes substituted. In not a few of the schools heat and smoke pipes are not carefully protected, and may become a source of danger to the buildings; and connections between hot-air pipes and registers are often faulty, both where pipes pass through floors and through wainscoting. In several such schools, notably the Branch to No. 8 Grammar, No. 30 Primary, No. 6 Colored, No. 11 Primary, No. 10 Annex, No. 12 Grammar and No. 6 Grammar, these defects were corrected by this department during the period of the early months of the year, when it had temporary control of this work.

The school buildings erected during 1896 and '97 are heated, etc., as follows:

No. 37 Primary—Smead hot air furnaces, ventilation by gravity system. Smead dry closets.

No. 34 Primary—Smead hot air furnaces, ventilation by gravity system. Water closets, with sewer connection.

No. 4 Primary—Fuller-Warren hot-air furnaces. Ventilation mechanical, the plenum system, with electric fans. Water closets, with sewer connection.

No. 9 Colored—Smead hot-air furnaces. Ventilation mechanical, the plenum system, with electric fans. Water closet ranges, with sewer connection.

No. 18 Annex—Same as No. 9 Colored School.

No. 3 Annex—Heated by steam, direct and indirect radiation. Ventilation mechanical, the plenum system, with electric fans. Sanitary water closets, sewer connection.

No. 7 Grammar—Will have the same system as No. 3 Annex, except that closet ranges will take the place of single closets.

In all these buildings the systems of heating and ventilation are intimately connected, and firemen of more than the average amount of intelligence should be placed in charge. The supervision of these systems during operation, and all repairs required at any time and in any part should be made under the immediate direction of the engineer of this department, who is familiar with their design, their functions and the details of construction. Some of their parts are too complicated to be entrusted to the unskilled mechanic or fireman.

There is a real, or possibly only an apparent conflict of meaning between Section 96 of Article 7 and Section 18 of Article 44 of the Code. The former directs that "the repairs of all buildings (except for Water and Harbor Boards) *shall be* under the control of the Inspector of Buildings," . . . . "and it *shall be his duty*, with the approval of the Mayor, to have same done," etc. Section 18, referred to above, reads: "And they (the School Commissioners) are hereby *authorized* to make all necessary repairs *in* the school houses, provided the same shall not exceed the sum of $300."

I would earnestly recommend that the specific duties in this connection of each department be defined by ordinance so that there shall be no division of responsibility anywhere. This is especially desirable respecting the heating apparatus in the schools. It seems to me that the permanent plant, which may justly be considered a part of the building and not a part of its furniture, should be controlled by this department, and the appropriation for its maintenance and repair placed here.

CONDITION OF THE ENGINE HOUSES.

A number of the old engine houses are sadly in need of a thorough overhauling. They have been permitted to get into so dilapidated a condition that a liberal appropriation must be had to restore them to anything like good order. Neither men nor horses can find in them the comfort that all admit they should have. The list of

repairs given on page —, etc., will furnish a fair idea of what has been done during the year.

FOURTH REGIMENT ARMORY.

West Fayette street, near Paca street.

The old Western Female High School has been leased by the city to the Fourth Regiment. Ordinance No. 68 of 1897 appropriated $35,000 for alterations desired by the regiment to fit the building for their purposes. The remodeling is being done under the direction of Colonel Willard Howard. Mr. A. H. Bieler, architect, furnished the drawings and specifications, and Mr. Benj. F. Bennett, the builder, is carrying out the work. The building is rapidly nearing completion.

MARKET HOUSES.

The amount allowed this department in 1897 for "Repairs of City Property," which includes the engine houses, the market houses, the court houses, the City Hall, City Jail, etc., was $15,000. This is manifestly insufficient, and as a rigid economy had to be exercised somewhere, I deemed it prudent to let the markets wait a while longer rather than the engine houses, courts and City Hall. All the markets need extensive repairs, and some a most thorough overhauling. The Old Town Merchants and Manufacturers' Association is making a study of market houses, and will shortly suggest to your honorable bodies sundry important improvements.

The market masters should be required to take better care of their buildings and not permit stones and rubbish to lie upon the roofs and damage the tin.

CITY HALL.

This building has not been kept in proper condition, and is suffering for paint. A special appropriation should be made for its needs.

I would again urgently recommend that the antiquated elevator be removed and a more modern and *safer one* be put in with as little delay as possible.

The heating apparatus is old and is a source of continual expense for repairs. An entire new plant would be an economical investment.

COURT HOUSES.

The last of the "crude, inefficient and positively dangerous furnaces" has been removed rrom the temporary Court House. Portable furnaces, ample in capacity and of excellent make have been substituted for those removed, and complaints have ceased to come in from judges, juries and clerks.

Old United States Court House.—The large room on second floor, used as the Record Office, should have some means provided for ventilating it. This is an imperative necessity. Plans have been prepared for ventilating this room, but the work has been deferred till the money shall be provided.

CITY JAIL.

The jail repairs have not been extensive, so far as this department has been called upon to pay for same. A number of changes and improvements have been made by order of the Jail Board, this department furnishing only supervision and inspection of the work.

FIFTH REGIMENT ARMORY.

A new rifle gallery has been arranged here, under the direction of Col. Frank Markoe, and work done subject to the inspection and approval of this department.

HARBOR MASTER'S OFFICE.

A new building should be provided for this office. $1,500 will suffice for same. The old building is not tenantable.

THE BUILDING LAW.

The building ordinance should be revised. A comparison made with similar ordinances of some of our sister cities will show that our ordinance is defective and incomplete in many respects. Proper revision should be made only by those well qualified by

training and experience to perform this duty. To make its provisions apply equitably in all cases is an extremely difficult task, and will require careful study and consideration. I would recommend the appointment of a commission, to consist of two members of the Building Exchange, two architects and one engineer, who, in connection with one of the city's legal advisors, and the head of the Building Department, should begin this revision at an early day, and be allowed from four to six months to complete the undertaking.

Section 86 of Article 7 was repealed and re-enacted in October last, so that churches, halls, theatres, and railroad depots are no longer exempt from the operations of the building law.

BOW WINDOWS, SHOW CASES, ETC.

No charge is made for the permit for a bow window (or show window). See Section 113 of Article 7, Code of 1893. When these windows are kept well above the sidewalk, say from 20 to 30 inches, and so constructed that they can be easily removed, (should this become advisable), it would be well to make no charge for them; but when they start at the sidewalk, I would recommend a charge for permit of not less than $10 each.

I would recommend that a charge of $20 be made for each showcase that may be permitted, by resolution of Mayor and City Council, to be placed upon the sidewalk. Each resolution of this character should also contain a provision that such case shall be removed from sidewalk at (say) sixty days notice from the Mayor.

INSPECTION OF FURNACES.

The work of our Furnace Inspector has been insistent and persistent. I believe that the good accomplished by the law known as the Furnace Ordinance is almost incalculable. Permit me to refer you to the report of our efficient Inspector of Furnaces elsewhere in this report.

RE-NUMBERING HOUSES.

Section 95, Article 7, Code of 1893, was repealed, and re-enacted in July last (see Ordinance No. 59, 1897), imposing a penalty for

failure or refusal to obey the directions of the department respecting new numbers or the correction of irregularities. The amount of work entailed by these duties is, however, more than should be required of the department unless additional help is permitted it. See report of Assistant Inspector George R. Bullen.

An appropriation should be made for the cost of this work.

BOARD OF APPEAL.

Permit me to repeat here what was said in my report for 1896:

Something should be done to relieve a condition which embarrasses this department not a little. For instance, a builder violates a provision of the building law; he is warranted, appears before the magistrate; the case is decided against him; he appeals, and the case goes to the grand jury and thence to the court. But the day of trial is slow to come. Meanwhile the builder finishes his work and possibly sells his houses, and the law not yet satisfied. A Board of Appeal, such as the one in Boston, would remedy the difficulty. In Boston's four years' experience about one hundred and fifty cases were brought before it, and of these but one appeal from the board to the courts. Cases taken into the courts always involve much time and considerable cost. Such a board might be composed of (say) one builder, one lawyer and one architect.

ELEVATOR INSPECTION.

The occurrence of accidents to elevators, and at times the accompanying loss of life, demands that some action should be taken by the city authorities to prevent such happenings, if possible. I would, therefore, suggest the passage of an ordinance to regulate the construction and operation of elevators and to provide for the appointment of a competent man as an Inspector of Elevators.

ELECTRICAL INSPECTION.

I would respectfully recommend the advisability of the passage of an ordinance to regulate and control the erection, construction and inspection of wires and appliances used for electrical purposes, both without and within buildings, and the appointment of

an inspector for the purpose. This has been deemed necessary for the safety and convenience of the people of cities smaller than Baltimore.

I would further respectfully submit the following information regarding the municipal control of electric wires in other cities, more especially in relation to rules and regulations governing overhead conductors and the means taken to prevent accidents from falling wires, or wires or lamps placed in exposed situations, so as to endanger life or property.

In New York exclusive jurisdiction over all classes of electrical conductors over and under public streets is vested in the Board of Electrical Control. To this board all applications for overhead wires for signaling or electric light or power must be referred, and a plat showing the location to be traversed must be shown and a permit obtained before the wires are allowed. The rules and regulations of the board govern the location and size of the poles, cross-arms, painting, etc., define the position of the wires upon the poles and the style of insulation from the pole, requiring all wires to be twenty feet from the ground between poles, and arc lights not less than nine feet clear of the ground.

In Boston all wires are gradually being placed underground, and the work is in charge of a commissioner of wires, who also has entire control of wires remaining overhead, pending their ultimate removal. The act of June 6, 1894, gives to the commissioner of wires the entire regulation and control of wires as they then existed, with power to inspect all wiring, both inside and outside, and to compel the companies to keep all wiring in as perfect condition as possible.

The control of wires in the city of St. Louis is vested in a board of public improvements, who appoint an engineer to take charge of all wires then in place or to be erected. The size of conductors, distance between supports and nature and quality of insulating materials to be used must be submitted to the board of public improvements for approval.

In Chicago the fire department has entire control of the installation of electric wires, and their rules and regulations are substantially those of the New York fire department.

In April, 1897, the City Council of Chicago adopted an ordinance providing that the superintendent of city telegraph shall issue a certificate of inspection before electric lights may be used in buildings.

In Washington the matter is under the control of the Engineer Commissioner, in whose office there is a special department of wires.

TABLES.

The annexed tabular statements will show—

A. The amount of appropriations and disbursements for the year 1897.
B. Receipts of the department for the year 1897.
C. Estimate of amounts required by the department for the year 1898.
D. A list of public buildings erected since 1885.
E. A list of certain appropriations to this department since 1887.
F. A list of permit for furnaces, etc.
G. A list of permits for new buildings.
H. A list of condemnations, violations, etc.

Respectfully submitted,

BENJAMIN B. OWENS,

Inspector of Buildings.

TABLES.

TABLE A.

Showing the Appropriations and Disbursements for the Year 1897.

Account.	Appropriations.	Expenditures.	Balance.
Repairs of school houses	$20,000 00	$19,731 24	$268 76
Repairs of city property	15,000 00	15,000 00	
Sanitary and other improvem'nts	3,000 00	3,000 00	
Emptying cess-pools	800 00	800 00	
Incidentals	200 00	200 00	
Livery	500 00	500 00	
Salaries	15,100 00	15,100 00	
Building Western Female High School	5,257 45		5,257 45
Building Baltimore City College, balance from loan	22,502 45	7,065 50	15,435 95
Building No. 4 Primary School	6,000 00	3,881 55	2,118 45
Building No. 9 Colored School	28,734 97	26,576 83	2,158 14
Building No. 18 Annex School	41,053 05	37,038 28	4,014 77
Building No. 4 Colored School	1,000 00	800 00	200 00
Building No. 8 Colored School	1,000 00	830 00	170 00
Building No. 7 Grammar School	49,989 00	25,811 19	24,177 81
Building No. 3 Annex School	45,331 10	42,187 70	3,143 40
Building No. 3 Annex School, transferred from loan	2,513 47	2,513 47	
Building No. 20 Engine House	1,408 04	725 50	682 54
Building No. 21 Engine House	15,000 00	13,940 11	1,059 89
Repairs of heating apparatus in school houses	2,854 00	2,854 00	
Repairs school houses deficiency	5,124 81	5,122 82	1 99
Repairs city property deficiency	1,915 78	1,915 78	
Repairs engine houses deficiency	1,513 36	1,513 36	
Repairs city property (Annex)	4,000 00	3,994 73	5 27
Salaries (Annex)	1,200 00	1,200 00	
Livery (Annex)	200 00	200 00	
Totals	$291,197 48	$232,503 06	$58,694 42

TABLE B.

Showing the Receipts of this Office for the Year 1897.

Advertising	$ 541 00
Bay-windows	796 36
Frame sheds	2,592 15
Frame extensions in rear	1,121 50
Bath rooms	682 00
Vaults and areas	1,071 92
Tapping sewers	120 00
Awnings	448 00
Total	$7,362 93

KEY TO TABLE B.

Showing the Receipts of this Office by Months, from January 1 to December 28, 1897.

	Bay-windows.	Frame Sheds.	Bath-rooms.	Vaults and Areas.	Tapping Sewers.	Advertising.	Awnings.	Frame Extension in Rear.	Total.
January		$188 00	$61 00	$15 60	.....	$105 00	$ 4 00	$22 00	$398 60
February	$155 61	157 50	100 00	60 45	.....	60 00	20 00	36 00	589 56
March	267 50	169 50	60 00	51 60	.....	70 00	36 00	24 00	978 60
April	10 00	256 30	64 00	59 55	.....	79 00	96 00	128 50	693 35
May	10 00	172 50	44 00	612 35	.....	15 00	60 00	322 00	1,235 85
June	15 25	226 25	82 00	39 15	.....	66 00	76 00	132 00	636 65
July		111 75	110 00	27 17	$40 00	23 00	72 00	114 00	500 92
August		349 00	46 00	36 45	.....	31 00	36 00	50 00	548 45
September	10 00	138 75	34 00	88 00	.....	13 00	20 00	116 00	119 75
October	30 00	206 25	28 00	24 90	.....	36 00	12 00	66 00	123 15
November		244 35	28 00	42 90	80 00	43 00	12 00	78 00	528 25
December	298 00	69 00	22 00	13 80	.....	.....	4 00	13 00	119 80
Total	$796 36	$2,592 15	$682 00	$1,071 92	$120 00	$541 00	$418 00	$1,121 50	$7,362 93

TABLE C.

Showing the Amount Required by this Department for the year 1898.

Repairs of School houses	$25,000 00
" " city property	20,000 00
Sanitary and other improvements	50,000 00
Emptying cess-pools	1,500 00
Incidentals	400 00
Livery and transportation	600 00
Salaries	15,100 00
Building Western Female High School	5,257 45
" No. 4 Primary School	2,118 45
" " 9 Colored "	2,158 14
" " 18 Annex "	6,000 00
" Male and Female Colored School	.....
" Mo. 4 Male and Female Colored School	50,000 00
" " 8 Colored School	50,000 00
" " 20 Engine House	682 54
" " 21 " "	1,059 89
" " 7 Grammar School	38,000 00
" " 3 Annex "	3,143 40
Repairs of City Property—Annex	6,000 00
Salaries—Annex	1,200 00
Livery and Transportation—Annex	250 00
	278,469 87
Building New City College	.....
Room for Additional Judge, Temporary Court-House	$200 00

TABLE D.

A List of School Houses, Engine and Truck Houses, Market Houses, etc., erected during the last thirteen years.

Schools.

1885—No. 23 Primary School, Gough and Wolfe streets.
No. 11 Primary School, Gilmor and Mosher streets.
No. 29 Primary School, Sharp street, near West.
No. 15 Grammar School, Carrollton avenue and Lexington street.
1886—Addition to No. 20 School, Eden and Preston streets.
1887—No. 8 Primary School, South Caroline street.
Addition to No. 21 School, Gilmor and Presstman streets.
No. 1 Colored High and Grammar School, Saratoga street, near Charles.
1888—No. 2 Grammar School, Broadway and Bank streets.
No. 9 Colored School, Carrollton and Riggs avenues.
1889—Addition to No. 11 Primary School, Gilmor and Mosher streets.
Manual Training School, Courtland street.
No. 13 Primary School, Patterson Park avenue and McElderry street.
No. 8 Grammar School, Hollins and Monroe streets.
No. 24 Primary School, Lancaster and Patuxent streets.
No. 5 English-German School, Lexington street, near Fremont avenue.
No. 20 Grammar School, Federal and Eden streets.
No. 4 Annex School, Chestnut avenue, near Fourth street.
No. 3 Annex School, Huntingdon avenue, near Charles street.
1890—No. 32 Primary School, Guilford avenue and Lanvale street.
No. 31 Primary School, Schroeder and Pierce streets.
No. 33 Primary School, Light and Clement streets.
No. 13 Annex School, North avenue and Washington street.
No. 25 Primary School, Bond street, near Eastern avenue.
1891—No. 19 Grammar and Primary School, Park avenue and Hoffman street.
No. 11 Annex School, Millington avenue.
No. 10 Annex School, Old Frederick road (Carroll).
Addition to No. 15 Grammar School, Carrollton avenue.
Addition to No. 17 Grammar School, Washington street.
Addition to No. 4 English-German School, Chase and McDonogh streets.
Addition to No. 7 Grammar School, Eastern avenue.
Addition to No. 2 Annex School, York road.
Additional story to No. 16 Grammar School, Hull and Clement streets.
1892—No. 1 English-German School, Pennsylvania avenue and Dolphin street.
No. 18 Grammar School, Harlem avenue and Monroe street.
No. 3 Colored School, Hull street.
No. 8 Annex School, Francis and Clifton streets.
Addition to No. 20 Grammar School, Eden and Federal streets.
1893—No. 15 Annex School, Walbrook.
Addition to No. 9 Annex School, Calverton.

TABLE D—Concluded.

1894—Western Female High School, Lafayette avenue and McCulloh street.
No. 6 English-German School, Ramsay and Smallwood streets.
No. 35 Primary School, Hanover and Winder streets.
No. 10 Colored School, Girard avenue and Sherman Place.
Addition to Colored Mannal Training School, Fremont street.
1895—City College, North Howard street.
No. 4 Primary School, Hanover and Lee streets.
No. 34 Primary School, Columbia avenue and Carey street.
No. 37 Primary School, Patterson Park avenue and Biddle street.
No. 9 Colored School, Carey and Chappell streets.
No. 18 Annex School, Linden avenue and Konig street.
1896—No. 3 Annex School (Female), Twenty-sixth and St. Paul streets.
1897—No. 7 Grammar School, Eastern avenue and Patuxent street.

Engine Houses.

1885—No. 6 Engine-house, Annex.
1886—Addition to No. 5 Engine and No. 3 Truck House.
No. 5 Truck House, Aisquith street.
1887—No. 6 Truck House, Hanover and Ostend streets.
No. 14 Engine House. Hollins and Monroe streets.
1890—No. 15 Engine House, Lombard street.
1891—No. 16 Engine House, Commercial Wharf.
1892—No. 18 Engine House, Annex.
1893—No. 17 Engine House, Fort avenue and Haubert street.
1894—No. 19 Engine House, North avenue and Bond street.
No. 10 Truck House, Lafayette avenue.
1896—No. 20 Engine House, North avenue, Walbrook.
1897—No. 21 Engine House, Roland avenue and Oliver Place.

Markets.

1885—Canton Market, O'Donnell street.
1886—Fell's Point Market.
1887—Market shed at the Northeastern Market.
Market-master's office, Hanover Market.
Market-master's office, Hollins Market.
1893—Extension shed at the Richmond Market.
1894—Addition to Lafayette Market.

Miscellaneous.

1885—Annex to the City Jail.
1887—Laundry building at the City Jail.
1888—Addition to Howard Zouaves' Armory.
1886—Observatory and pavilion at Federal Hill Park.
1893—Disinfecting plant at the Quarantine Hospital.
1890—City Morgue, Lancaster and President streets.
1893—Addition to the City Morgue.
1891—Lumber shed for the Harbor-master.
1895—Temporary Court-house.
1893—Extension to the Fifth Regiment Armory.
1897—Remodeling Fourth Regiment Armory.

TABLE E.

Comparative Statement of Certain Appropriations to the Inspector of Buildings' Department from 1887 to 1897, inclusive.

Account.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.
Repairs of schools	$ 1,000	$10,000	$ 9,000	$ 9,000	$ 9,000	$13,000	$15,000	$21,500	$17,000	$15,000 00	$20,000
Sundry improvements to schools	3,000	8,525	5,000	6,000	6,000	8,650	11,600	.....	950	.....	.....
Repairs of city property.	18,500	22,000	18,000	18,000	20,000	20,000	21,000	21,500	13,500	13,000 00	15,000
Repairs of city property, Annex	.....	.....	2,940	3,000	3,000	5,000	6,000	6,000	4,500	4,000 00	4,000
Emptying cess-pools	1,500	1,500	1,200	1,200	1,200	1,200	1,000	1,000	700	800 00	800
Incidentals and livery	700	700	700	700	700	790	800	700	800	200 00	700
Salaries	5,500	5,500	5,500	6,000	6,500	8,500	9,520	11,300	11,700	13,703 33	15,100
Sanitary and other improvements	.....	3,000	3,000	3,000	3,000	8,000	4,000	4,000	3,000	3,000 00	3,000
Total	$39,200	$51,225	$45,340	$46,900	$49,400	$65,050	$68,920	$65,500	$52,150	$49,703 33	$58,600

TABLE F.

Number of permits issued for furnaces from January 1, 1897, to December 29, 1897	1,423
Furnaces erected and found to conform to law	835
Furnaces condemned and defects ordered remedied	388
Furnaces yet to be passed upon	200
Old furnaces and heating apparatus inspected	110

Furnaces and heating apparatus in the schools and their branches have been examined from time to time, and report made to School Board when requested.

TABLE G.

Showing the Number of Permits Issued in 1897 for New Buildings, etc., in Old Twenty Wards.

	Brick Dwellings.	Brick Additions.	Warehouses, Stables, Stores, etc.	Improvements.	Churches.
January	61	26	3	4	....
February	72	13	14	9	....
March	94	52	9	14	....
April	125	52	12	13	....
May	123	38	9	13	2
June	237	40	12	20	1
July	87	32	7	10	....
August	65	29	12	18	....
September	65	42	11	12	....
October	85	42	8	8	....
November	108	29	10	5	2
December	141	8	4	1	....
Total	1,263	403	111	127	5

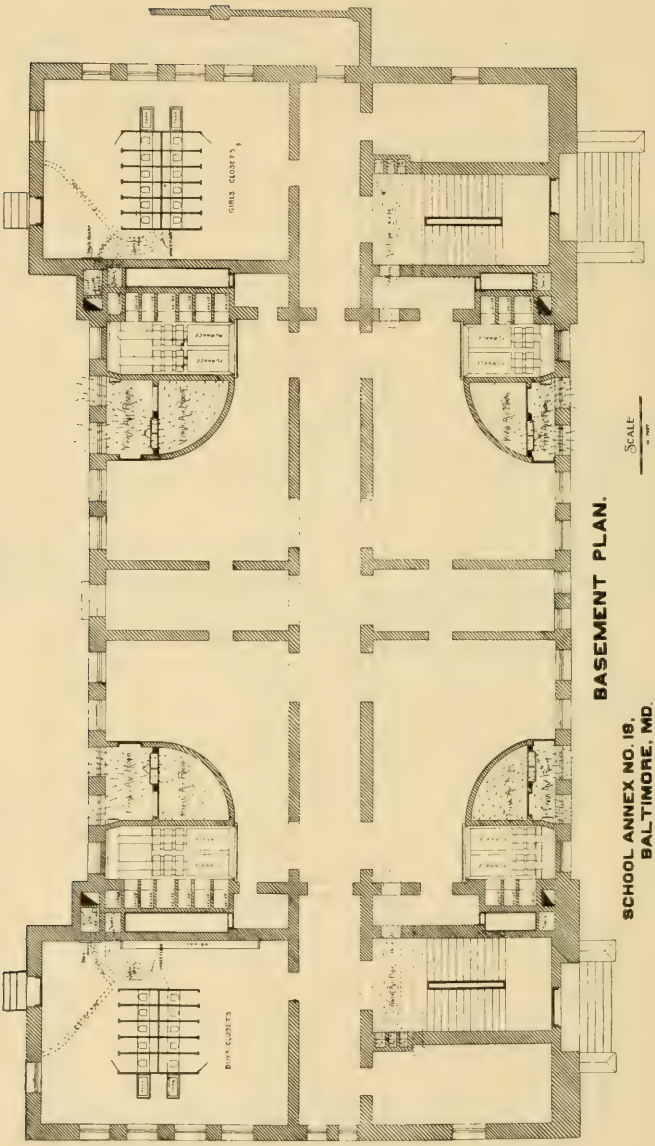
Showing the Number of Permits Issued in 1897 for New Buildings, etc., in the "Annex," or Twenty-first and Twenty-second Wards.

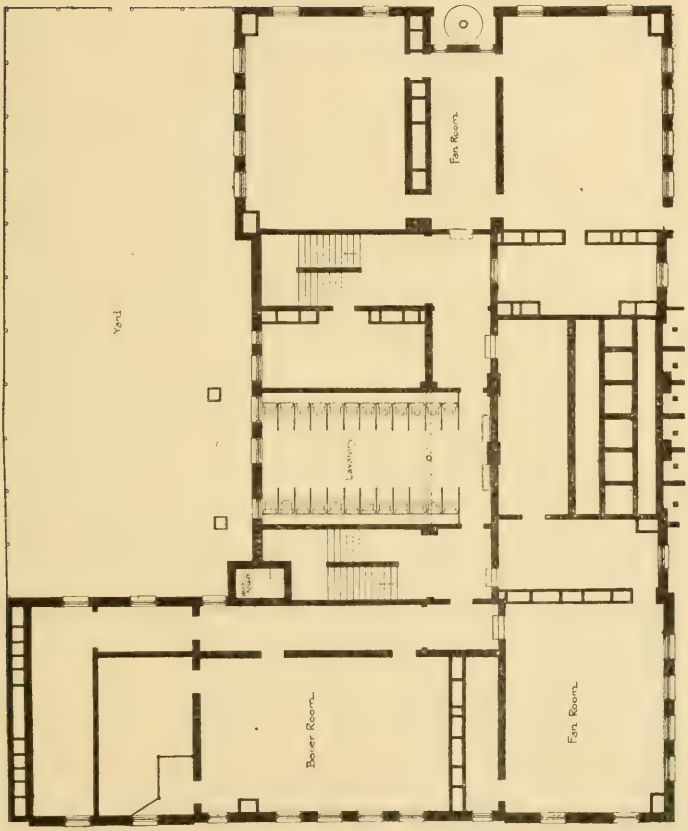
	Brick Dwellings.	Frame Dwellings.	Brick Additions.	Warehouses, Stables, Stores, etc.	Frame Additions.	Improvements.	Churches.
January	20	15	.....	1	.....	.....	.....
February	62	16	2	1	.....	.....	.....
March	93	21	2	3	1	.....	.....
April	102	16	1	3	.....	1	.....
May	276	26	4	7	.....	3	.....
June	49	17	2	14	.....	2	.....
July	77	13	3	1	.....	1	.....
August	69	17	4	4	2	3	2
September	100	30	4	2	1	1	1
October	77	36	3	2	.....	1	.....
November	87	20	4	5	1	1	1
December	180	10	.....	.....	.....	.....	.....
Total	1,192	237	39	43	5	13	4

TABLE H.

Showing the Number of Condemnations, Violations, etc.

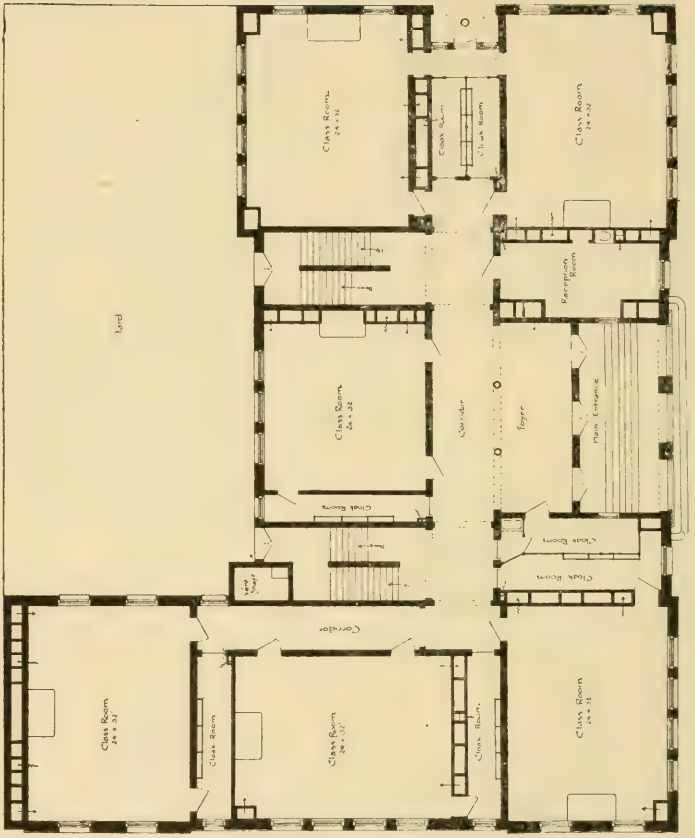
Buildings condemned	30
Walls "	172
Chimneys "	52
Violations of the building laws	130
Notices to repair rainspouts, areaways, fences, awnings, etc	155
Total	539


GIRLS CLOSETS
BOYS CLOSETS
BASEMENT PLAN.
SCHOOL ANNEX NO. 19.
BALTIMORE, MD.
SCALE



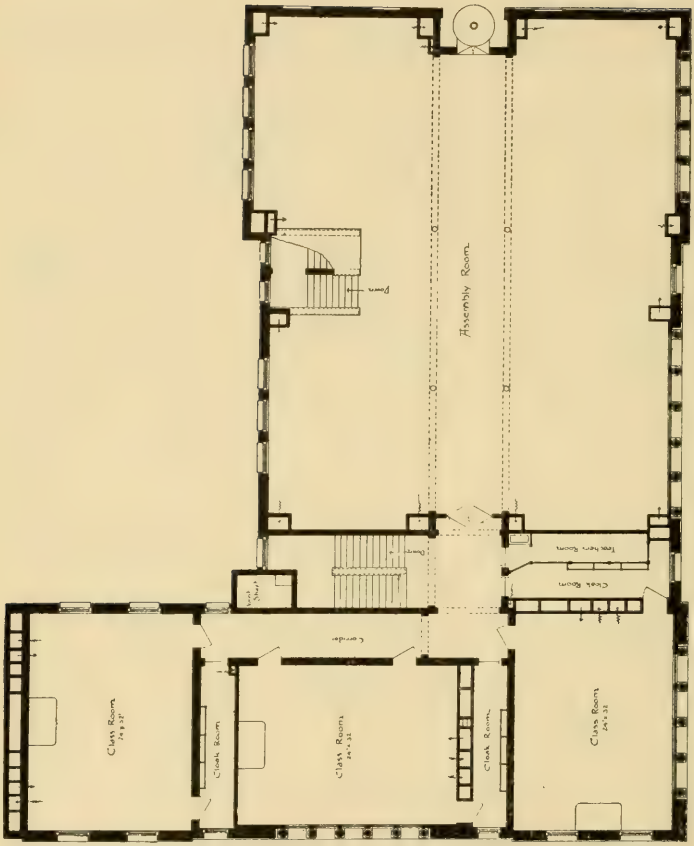
No. 3 Annex School

Basement Plan

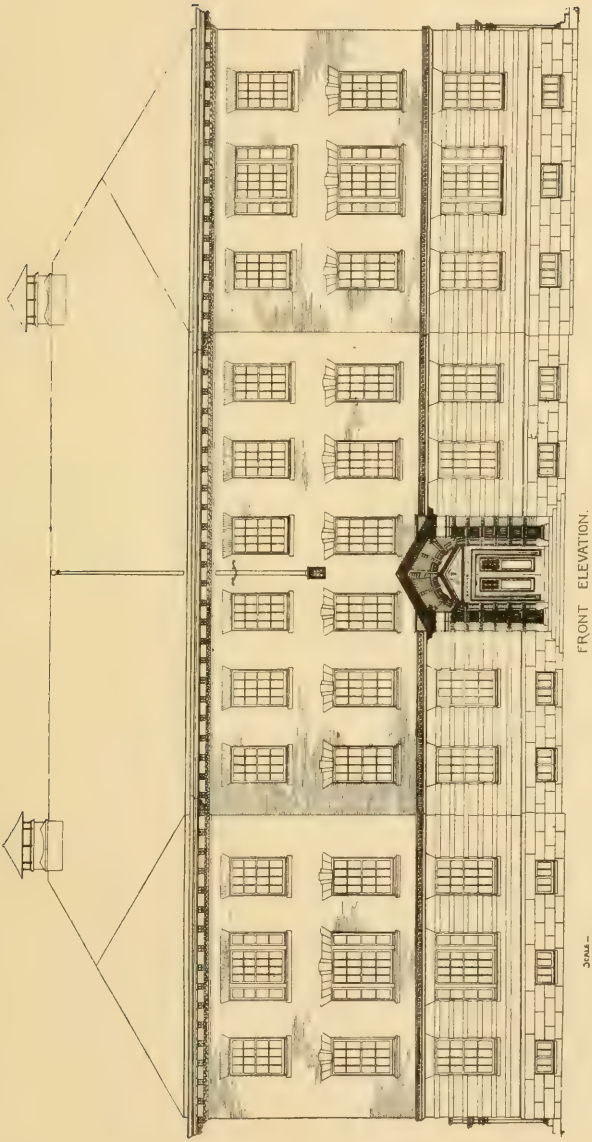


No. 3 Annex School

No. 3 Annex School



No. 3 Annex School



FRONT ELEVATION.
GRAMMAR SCHOOL No 7.

ENGINEER'S REPORT.

DEPARTMENT OF BUILDINGS,
BALTIMORE, MD., January 1, 1898.

Mr. Benj. B. Owens, Inspector of Buildings.

SIR: I have the honor to report herewith upon the systems of heating and ventilation, and the sanitary features, introduced into the public schools erected within the last year.

NO. 18 ANNEX SCHOOL.

The heating plant for this building consists of eight furnaces, in four batteries of two furnaces each. These furnaces are designed to heat a volume of fresh air equivalent to the specification requirement of 30 cubic feet per minute for each scholar in the building. In order to insure a specified and unvarying supply of fresh air, electric fans are located at the fresh air inlets of each battery of furnaces. These fans are 42 inches in diameter, and require from one to two horse-power each to operate them. They are run at such a speed as to cause no appreciable noise, but at the same time with sufficient rapidity to force the desired amount of fresh air to the furnace chambers. Here the air is warmed to the proper temperature, and thence finds its way through brick flues to the class-rooms, etc., above. As a means of governing the temperature of the air in the class-rooms, an automatic temperature regulator is placed in each room. This regulator consists of a thermometer, in the back of which a system of valves is located. These valves have gates made of a metal which is very sensitive to heat or cold. To this mechanical contrivance pneumatic tubes are attached. These tubes extend—one to the water motor which furnishes the power, and the other to a diaphragm controlling a compensating damper at the base of the hot air flue for that particular class-room. The damper admits cool or warm air to the

class-room in such proportions as is necessary to maintain the temperature desired in such rooms, say 70 degrees Fahrenheit. The water motor located in basement furnishes the power to operate the dampers, ordinary city pressure being sufficient to compress the air to the point desired. This method of controlling the temperature of class-rooms is now very generally used in the best practice, and supplants the more crude appliance formerly in vogue, which was worked by hand, and which occasioned much inconvenience to the teacher. I do not hesitate to recommend the system for installation in all future school work, as it has the endorsement of the best engineers in the country.

The method adopted for the ventilation of this building is the Plenum System. To give an elementary explanation of the system it may be said that a large volume of fresh air being forced into the class-rooms, an equivalent volume of foul air must find exit through flues which are arranged for that purpose. These flues are connected with the outside air at top of building by ventilating shafts, one for each system of foul-air outlets.

This system has many advantages, although, in my estimation, the double fan system, employing exhaust fans for foul air as well as supply fans for fresh air, would more nearly attain perfection. Tests with the anemometer, however, establish this fact beyond question,—that under any and all conditions of whether the single fan system, in connection with plenum ventilation, is a practical and assured success; provided the proportioning of flues, ducts, fans, and fresh air inlets is all carefully taken into account.

The closet systems are located in the basement. It has been the earnest endeavor of the department to inaugurate a renaissance in the matter of lavatory and closet arrangements for public schools erected under this administration. After considerable study of the subject, a latrine or flush-closet range has been devised that promises results which have long been wished for. This range is both independently and locally ventilated and flushes automatically. It combines the advantages of the syphon closet with those of the flush closet. The ventilating shaft for each closet room is independent and distinct from the vent shafts

used for class-room ventilation, thus cutting off all connection with the rest of the building. The plumbing fixtures throughout the building have a "direct" connection with city sewer. Small furnaces, or stack heaters, are kept continually in operation during school hours and furnish the draughts up vent-shafts requisite for proper expulsion of the vitiated air.

The entire plant installed for heating, ventilating and sanitation at No. 18 Annex School embraces the best materials obtainable in the market, and the work in connection therewith has been done by skilled and expert mechanics, under the careful supervision of this department. This school building is, beyond question, up to date, and may serve as a model for future work along these lines.

(See Plan.)

NO. 9 COLORED SCHOOL.

The heating plant of this school is composed of six furnaces, in three batteries of two each. There are eighteen class-rooms, each battery of furnaces having six class rooms to heat, or three rooms per furnace The method of ventilating and heating adopted for this building is very similar to that described for No. 18 Annex School. The only appreciable difference between the two plants is the manner in which disposition is made of foul air. All ventilating flues from class rooms are carried to third-story ceiling line in brick flues, thence by horizontal ducts in loft to a central ventilating shaft, which is capped with an Emerson ventilator. This scheme of concentration of foul air ducts into one outlet has its advantages; but, on the whole, I am of the opinion that four or more outlets, as at No. 18 Annex School, will do the work of ventilating more completely, owing to decrease in friction, etc.

The Plenum System of ventilation has been adopted for this building. There are three electric fans for fresh air supply, one fan being located at each battery of furnaces. These fans are operated by indirect current motors; about one horse power is required to run each fan. There is but one objection to the use of indirect current motors, which is the fact that one speed only

is possible. With the direct current, a fan may be speeded to any number of revolutions desired, within certain limitations. This is a very perceptible advantage, for conditions of weather should, in a measure, determine the velocity at which fans are run. There are other qualifying conditions also.

The automatic apparatus has been installed here for the control of the temperature in class-rooms and throughout entire building. The system is working well.

Ventilated flushing latrines for both boys' and girls' closets have been placed in this building, and they, together with all plumbing fixtures throughout the structure, have "direct" connection with city sewer. The sanitary features of the school may, therefore, be said to be exceptionally good.

NO. 3 ANNEX SCHOOL.

This building is heated by steam. Indirect and direct radiation is employed. The latter only in corridors and basement.

Two low-pressure steam boilers, arranged in battery, furnish the heat. Wrought-iron coils, or radiators built in tiers and boxed up in galvanized iron casing, are located at the base of all flues for fresh air supply. These radiators temper the cold air as it is forced in from outside of building by two large electric fans. The fans are 72 inches and 60 inches diameter, respectively, and are operated by direct current motors using a 220 volt current. With this current the velocity of the fan can be changed at will by a governor located near the motor. About twelve speeds are practicable. The advantages gained by the direct current, owing to the possibility of changing speed when conditions warrant it have been referred to above.

The heating plant for this school is somewhat complicated, due to the shape of the building, but the requirements of the contract demand that every room throughout the structure shall be adequately warmed and ventilated in the most severe weather. The boilers are horizontal, tubular in form, and are after designs prepared by Consulting Engineer Henry Adams.

The temperature of all class-rooms, halls, corridors, etc., is con-

trolled by the automatic temperature regulation system previously described, and through its agency the air in each class-room is maintained uniformly at a temperature of 70 degrees.

It must not be supposed that a teacher is compelled to have a temperature of 70 degrees in the class-room if one of only 65 degrees is desired. With this device any required temperature can be maintained that the occupants of any particular room may prefer. Seventy degrees Fahrenheit for all class-rooms is the specification requirement, for the reason that in all work an ideal or standard should be the objective.

The method of ventilation is the Plenum System, utilizing flues, ducts and vent shafts through roofs for disposal of vitiated air.

The closet system for this building consists of syphon hopper closets, arranged to flush automatically, and they, together with all plumbing fixtures, have the much desired "direct" connection with city sewer.

The heating plant in No. 3 Annex School is the best example of steam heating work installed in any public school in the City of Baltimore up to the present time, and it may be pronounced as standard.

(See Plans.)

NO. 21 GRAMMAR SCHOOL.

The old cess-pool under rear class-rooms of this building has been cleaned out and disinfected. The well was filled with clean earth and the old privies removed.

In the rear basement of school closet-rooms have been constructed for boys and girls ample for present and future needs of the institution. Ventilated flushing latrines and slate urinals have been put in place. These fixtures rest on concrete floors and are provided with "direct" connection with city sewer.

The sanitary features of the new plumbing fixtures at this school are in marked contrast with the unsightly and unhealthy conditions prevailing there one year ago.

The latrines and urinals have local ventilation by means of ducts and vent shafts. The shafts are heated during school hours by small stack-heaters.

NO. 30 PRIMARY AND NO. 8 BRANCH GRAMMAR SCHOOLS.

The old privies located in rear of these buildlngs have been removed, and the cess-pools have been cleaned out and filled with clean earth after having been properly disinfected. The space formerly occupied by the old privies now constitutes a part of the boys' and girls' yards.

In the rear basement of each of these schools new closet-rooms have been constructed, two for boys and two for girls. All these rooms are provided with sufficient light, and the floors are laid of cement.

Ventilated flushing latrines and slate urinals, provided with local ventilating ducts and heated vent shafts are now in place.

The plumbing features are connected with the city sewer by the "direct" method, and from a sanitary standpoint the new system compares favorably with any work of this character installed to date. The old conditions were such as to constitute a direct menace to health.

Although it has pleased you to place me in charge of other important items of work connected with this department, I have endeavored to give to these matters of sanitation, heating and ventilation the closest study, knowing the great importance of a quick release from the much advertised and justly condemned unsanitation of our old school buildings.

Respectfully submitted,

FRANCIS H. WATERS, *Engineer.*

SUPERINTENDENT'S REPORT.

DEPARTMENT OF BUILDINGS,

BALTIMORE, January 1, 1898.

To the Inspector of Buildings.

SIR: I have the honor to make the following annual report of the work coming under my supervision.

At the begining of the year 1897 the following school buindings were in course of erection, viz.:

No. 3 Annex School, St. Paul and Twenty-sixth streets.
No. 18 " " Linden Avenue and Koenig street.
No. 9 Colored " Carey and Chappell streets.

No. 3. Annex School was built to the height of second floor on January 1, and completed and occupied on September 13.

It is a three-story brick building, with tin roof. The walls on St. Paul and Twenty-sixth streets are faced with first quality "sand" brick, laid in brown mortar, with sunk joints. The sills, columns, arches over entrance, and front steps are of Kibbe sand stone. The entrance is a pleasing feature of the St. Paul street front. The other exterior walls above the basement are faced with dark red bricks, laid in lime mortar, with the usual flat joints. The walls of the basement are of arched bricks, laid in Rosendale cement, the brick work rubbed up solidly.

The partitions and backing of the sand brick walls are hard brick, laid in lime mortar, except arches over openings and the smaller piers, which are laid in cement. The only stud partition in the building is the one between the coat rooms.

All joists rest on brick walls not less than 13 inches in thickness, and are framed clear of all heat and smoke flues. Great care has been exercised in the construction of these buildings to avoid any danger of their taking fire, and all known risks avoided. This

will apply to all buildings constructed under the present supervision. The joists and roof trusses are of Georgia pine, and rafters and ceiling joists, Virginia pine.

All the "finished" floors are laid with 5-4 edge grain Georgia pine above counter-ceiling. Experience shows that the edge grain flooring is cheaper in the end, as floors laid with the common flat grain flooring are generally in need of repair after one year's use, aside from the danger of injury to the feet of the pupils from slivering. The cellar floors are cemented.

Two stairways leading up from the basement to the third floor are of easy rise, have slate treads, and risers built between brick walls with brick walls between the flights, and ample exit to the street and yard in the rear.

The ceilings and walls of rooms and halls above the chair moulding are plastered and white coated, and below chair moulding the walls are plastered with cement with a finish of gray soapstone.

The doors, sash, jambs and trimmings are of clear white pine, finished natural color of the wood in hard oil, and rubbed with pumice stone.

The trimming on inside of windows, door and chair moulding is simply a $\frac{7}{8}$x1$\frac{3}{4}$ inch half round. This will lessen the cost of painting in the future.

The cornice is painted to match the color of the stonework, and the other exterior work a warmer shade of the same color.

The cellar being much taken up with heating and ventilating plant, a coal vault has been built under St. Paul street pavement, which gives sufficient room for coal storage.

A defect in connection with this school lies in the smallness of the yard; this necessitates two or more recesses, which is annoying both to the neighborhood and the classes remaining in the school rooms.

No. 18 Annex School is a three-story brick building with tin roof.

The exterior walls, except the rear between the returns, which are of red brick laid in lime mortar, are faced with second quality sand brick, laid in brown mortar with ordinary struck joints.

The stone for trimming is Kibbe sandstone. The other brickwork is the same as at No. 3 Annex School.

All joists and roof timbers are of Georgia pine.

The floors are counter-ceiled of double thickness, the under floor being ⅞ Virginia pine with felt between, the top thickness edge grain Georgia pine.

The basement floor is cemented, the ceiling plastered and the walls whitewashed. The doors, sash, etc., white pine painted light cream color.

The exterior work is painted in the same shades as No. 3 Annex School.

The ceiling and walls above the chair-boards are plastered with King's Windsor cement, finished with gray soapstone.

The stairways, two in number, are of the same construction as those at No. 3 Annex School.

The third story is unfinished, only the sash being hung and the counter-ceiling and under floor laid.

The yards are large and enclosed by substantial fences.

January 1st the second floor joist had been put on. The building was occupied September 6th.

No. 9 Colored School was under roof January 1st, 1897, and occupied September 6th. This is a three-story structure with tin roof.

The fronts on Carey and Chappell streets and the south end are faced with No. 1 sand brick, laid in brown mortar with cut joints.

The basement is built of arch bricks laid in Ulster County Rosendale cement. The partition walls above the first floor, and the backing of the sand brick work, are of light red bricks laid with lime mortar, mixed with Rosendale cement, about ¼ bbl. to the thousand bricks.

The basement has cement floor, plastered ceiling, whitewashed and has ample light.

The rough lumber, floors, interior finish, plastering and painting are the same as in No. 18 Annex School.

The two stairways are like those of Nos. 18 and 3 Annex Schools, with easy exit to Carey street and yard in the rear.

An additional class-room has been added to *No. 19 Annex School*, Hickory avenue, Hampden. This is a frame structure with

a stone cellar, giving sufficient room for coal. The school lot was also graded and improved.

No. 7 Grammar School is situated on Eastern avenue, Patuxent and Harrison streets, the lot running back to Canton avenue.

The concrete foundations were started July 30th, and the building is now being put under roof. This is a three-story brick building and will have slate roof.

The front walls and returns are faced with sand brick, laid in white mortar, with cut joints, granite ashlar, Indiana limestone sills, and terra cotta trimmings to match the color of the limestone. The entrances on the three streets are of ornamental terra cotta. The rear wall between the two returns is faced with red brick, laid with lime mortar, with the usual joint.

The basement walls are of arch brick laid in Ulster county cement on a foundation of concrete 18 inches thick. The rough bricks above the basement are laid in lime mortar, except arches, which are laid in cement. All terra cotta is solidly filled with bricks and "Lafrage" cement and laid with the same cement.

This building is now being roofed and would probably have been near completion had it not been for the difficulties encountered in the foundations, all details of which may be found in separate weekly reports and sketches on file.

Improvements have been made in the sanitary condition of *No. 21 Grammar School.* Also improvements at *Bay View Asylum.*

No. 21 Engine House, Roland avenue, corner of Oliver place. This house was commenced in April, 1897, and is now occupied. It is a two-story brick structure with a tin roof. The front is faced with sand bricks laid in brown mortar and cut joints, and trimmed with ornamental terra cotta. The cellar extends under half the width of the front and about two-thirds of the depth of the building, and is built of arch brick laid in Rosendale cement. All the foundations rest on a natural bed of sand and gravel.

The first floor is six-quarter inches Georgia pine laid on Georgia joist and sleepers. The brick walls and wood ceilings of the first floor are painted.

The stalls have one-half inch boiler iron sides, with three and one-

half inch pipe posts, and rails with proper connections. These stalls are a decided improvement upon the old wooden ones. A patent stall floor has been placed in one stall, consisting of an iron pan connected with the drainage pipes and covered by hinged doors, three by three inch maple strips, allowing easy cleaning. This floor is wearing much better than the pine floors of other stalls and keeps dry the straw used for the bedding.

The second story has white coated walls and ceilings, and is trimmed with white pine painted a light shade. It is divided into captain's sitting-room, dormitory, bath-room, and with a hay-loft in the rear, separated from the other rooms by a partition plastered on expanded metal lathing.

North Aveuue Pumping Station.—The walls of this building are nearly to the height of the first boor beams. This work is done by direction of the Water Board. The architect is Mr. Henry Brauns, and the contractors Messrs. J. J. Walsh & Son.

In all the above work I have endeavored to have the drawings and specifications faithfully executed, and have given the work as close and frequent supervision as its scattered situation would permit. Very respectfully,

MESICK O. TRAVERS,

Supt. of Construction of New Buildings.

REPORT OF ASSISTANT INSPECTOR OF BUILDINGS.

DEPARTMENT OF BUILDINGS,
BALTIMORE, December 24, 1897.

Mr. Benj. B. Owens, Inspector of Buildings:

DEAR SIR: I have the honor to submit herewith my annual report as Assistant Inspector of Buildings for year ending December 24, 1897:

As you are aware, the duties of the position are numerous, but I would especially ask your attention to the amount of work accomplished in the department, viz: The issuing of permits for new buildings, alterations, etc., notices of condemnation and violations, notices to repair, etc.; also, the amount of work accomplished by the district inspectors during the year.

Office Work.—The amount of work in this line for the past year has been very great. I have examined applications and issued permits for the following buildings, etc., in old twenty wards during December 26, 1897:

Brick Dwellings	1,263
Warehouses and Stables	111
Brick Additions	403
Improvements	127
Churches	5
Total	1,909

Included in the above are several large buildings and churches, namely:

Lutheran Church, northeast corner Payson street and North avenue; brick.

Presbyterian Church, southeast corner Payson street and North avenue; stone.

St. Patrick's Church, northeast corner Broadway and Bank street; stone.

St. Philip and St. James' Catholic Church, Twenty-seventh and Charles streets; stone and brick.

Remington Methodist Protestant Church, Huntingdon avenue and Thirtieth street; frame.

St. Mark's Lutheran Church, St. Paul and Twentieth streets; stone and brick.

Crown Cork and Seal Company, Guilford avenue and Oliver street; brick warehouse.

J. Riddlemosher, Fayette street, near Charles; six-story brick warehouse.

J. W. Putts, southwest corner Fayette and Charles streets; brick store.

Matthai, Ingram & Company, Wells and Light streets; brick warehouse.

Baltimore and Ohio Railroad Company, Henderson's wharf; brick warehouse.

Patrick Kennedy, Charles and Wells streets; brick warehouse.

Farmers and Planters' National Bank, German and South streets; extensive improvements.

Pabst Brewing Company, Charles and Wells streets; brick warehouse.

Maryland University Hospital, Green and Lombard streets; brick building.

Baltimore Eye, Ear and Throat Hospital, West Franklin street, brick building.

John Hopkins Estate, Howard street, south of Monument; brick building.

Structural Iron Company, foot of Bush street; frame building.

Examined applications and issued permits for the folllowing buildings in the "Annex," or 21st and 22nd wards:

Brick dwellings	1,192
Frame "	237
Churches	5
Brick and frame additions	31
Total	1,468

In addition to the above, I have sent out the following notices:

Buildings condemned	30
Walls "	172
Chimneys "	52
Violations of building law	130
Notices to repairs, etc	155
Total	539

NUMBERING BUILDINGS.

An ordinance was approved July 10, 1897, authorizing the Inspector of Buildings to designate the correct numbers of new buildings and to re-number buildings where an error or irregularity might exist. Since that date I have numbered 1,021 new buildings and re-numbered 85 old buildings.

With regard to the District Inspectors, I would report that I have received from each District Inspector semi-weekly reports of all work in their respective districts.

The city is divided into 5 districts, including one in the Annex. The following will show the amount of work accomplished in each.

Northwestern District—William Butzler, *Inspector.*

The erection of new buildings in this district was not as great in number this year as in 1896, yet a large amount of work was accomplished. Inspector Butzler has examined 718 brick dwellings, 72 frame cottages, besides brick additions, sheds, etc. The work done in this district has been very satisfactory, and the Inspector has had little trouble in having builders comply with the building law.

Northeastern District—John P. Teal, *Inspector.*

There have been more permits issued for new buildings in this district during 1897 than 1896. Inspector Teal reports that he has examined 499 brick dwellings, 16 business buildings, besides brick additions, stables, sheds, etc. There has been quite a number of warehouses built that required special attention during their erection. The work done has been satisfactory. In addition

to the above work I was compelled by pressure of office duties to call upon Inspector Teal from time to time, to assist with the clerical work of this department.

Southeastern District—John H. Horner, *Inspector.*

There have been very few dwellings erected in this district during the year, in comparison with other districts, but quite a number of large warehouses, business buildings, etc.

The territory covered by this district is very extended. The work done here is in better condition than for some years past. Inspector Horner reports that he has examined 220 dwelling houses, 12 warehouses, business buildings, etc., 114 brick additions, 425 frame sheds, etc.

Southwestern District—Henry Baker, *Inspector.*

The amount of work accomplished in this district has been large indeed, and it has been well done, especially when you consider the extent of territory to be covered. Inspector Baker has experienced little trouble in enforcing the building law, as builders generally seem willing to comply. He has examined 561 brick dwellings, 28 frame dwellings, 8 warehouses, 103 brick and frame additions, etc.

Annex District—J. F. Crowther, *Inspector.*

The territory embraced in this district contains about one-half of the Twenty-first and all of the Twenty-second ward. The number of new buildings erected and now in course of erection has been greater this year than in any preceding year. Inspector Crowther reports that he has examined 1,103 brick dwellings, (this includes 265 for which permits were granted in 1896,) 208 brick and frame additions, stables, etc.

I have personally examined a greater part of the above work and find it to be in good condition, and whilst Inspector Crowther has by his diligence and untiring effort succeeded in having the building law enforced, I would recommend that the district comprising the Twenty-first and Twenty-second wards be re-districted, as it is a

matter of physical impossibility for one inspector to carefully look after this amount of work.

In conclusion, I would state that at different times I have personally examined the work being done in each of the above districts, and find the same to be in good condition, but if the ratio of increase in the number of new buildings be maintained in the year 1898, it will be difficult for the present force to accomplish desired results.

Respectfully submitted,

GEO. R. BULLEN,

Assistant Inspector of Buildings.

REPORT OF SUPERINTENDENT OF REPAIRS.

DEPARTMENT OF BUILDINGS,
BALTIMORE, December 23, 1897.

Inspector of Buildings:

SIR: I have the honor to make the following report of work done in my charge for the year 1897:

The number of examinations made of repairs to schools, engine and market houses and other city property is 1,175.

The following is a list of repairs:

No. 1 Male Primary and Grammar School.—Repairs made to roof, plumbing, sash-cord, locks, etc. Building in fairly good condition.

No. 1 Female Primary and Grammar School.—Extensive repairs made to roof and downspouts, glazing, plumbing, new doorway in basement, new doorway second story, giving better access to cloak-room. Roof should be painted.

No. 2 Grammar School.—All woodwork (interior) painted two coats, repairs made to plumbing; glazing, locks, etc. Building in good condition.

No. 3 Primary and Grammar School.—Repairs to gutter, downspouts, flush pipe run to urinal trough, repairs to hydrant, paving, area gratings, cess-pool cleaned, repairs to sash cord, glazing, locks and privy floor. The following work should be done at this building, viz.: Ventilator on roof should be repaired, roof painted, cess-pool connected with sewer and a ventilating stack put on privy.

No. 4 Grammar School.—Repairs to roof, new downspouts, roof painted, all outside woodwork painted, new tin roof on privy, repairs made to hydrants, paving, front gates, rear gate, locks, glazing and sash cord. The following work should be done at this building: Fire-escape should be enclosed, outside shutters put on and iron picket fence at front should be removed.

No. 5 Grammar School.—Repairs to floors and plumbing, new hydrants, sash cord, glazing, downspouts, painting, fence, locks, paving, etc. Building in fairly good condition. The following repairs, etc., required: Cellar paved, roof painted and water closet for teachers.

No. 6 Grammar School.—Repairs to floors, door eased, sash cord, roof and downspouts repaired and painted, new shutter put on privy, repairs made to heat pipes, plumbing, paving, fence, etc. Building in good condition. New cap should be put on ventilating and smokestacks.

No. 7 Grammar School.—Roof repaired and painted, new wire screen over rear windows, repairs to hydrants, sash cord, new cloakroom being built at present. Building in good condition.

No. 8 Grammar School.—Roof repaired and painted, repairs to plumbing, glazing, etc. Building in good condition.

Branch to No. 8 Grammar School.—Repairs to roof, downspouts, sash cord, glazing, paving, new flush pipe to urinal, new sash to privy, ventilating stack to privy, etc.

No. 10 Grammar School.—Repairs to sash, sash cord, new door foot of fire-escape, lock, paving, plumbing, painting, etc. Building in fairly good condition.

No. 11 Grammar School.—Repairs to roof, gutters, downspouts, plumbing, new flush pipe to urinal, etc., etc. Building in good condition.

No. 12 Grammar School.—Repairs to roof, gutters and downspouts, closets painted, closets enclosed, cess-pools cleaned, repairs to plumbing, iron gates on front, etc. Building in good condition.

No. 13 Grammar School.—Ceiling of first story painted two coats, repairs to roof, urinal trough, new hydrant, front fence and gate, sash cords, glazing, paving, side yard graded; change being made to two class ronms at present, also new floor being put in two class-rooms. Building in good condition.

No. 15 Grammar School.—Repairs to paving, roof and downspouts, locks, sash-cords, new flush-pipe to urinal, two new hydrants, glazing, etc., cess-pool cleaned. Building in fairly good condition.

No. 16 Grammar School.—Repairs to roof, sash-cords, locks, two class-room partitions moved, new partition put across second-

story corridor, new roof on privy, urinal trough extended eight feet, new screen in front of urinal, roof and all outside woodwork painted, cess-pool cleaned, etc. Building in good condition. Should have sewer connection, and privy ventilated.

No. 17 Grammar School.—This building was in a deplorable condition for want of paint. All outside woodwork has been painted two coats, repairs made to gutters and downspouts, shutters, fence, doors, sash-cord, glazing, new hydrant, paving, etc.

No. 18 Grammar School.—Repairs to roof, front gates, locks, glazing and sash chain.

No. 19 Grammar and Primary School.—Repairs to class-room damaged by fire, repairs to roof, fence, plumbing, paving, glazing, etc. Building in fair condition. Valley and cornice on Park avenue front should be repaired.

No. 20 Grammar School.—Roof repaired and painted, repairs made to plastering, plumbing, iron hand-rail on outside steps, paving, new cement paving in yard, fence, lock, sash-cord, glazing, partition of class-room changed. Building in gond condition.

No. 21 Grammar School.—Repairs to downspouts, doors, sash-cord, plumbing, paving, glazing. Roof of this building should be painted.

No. 22 Grammar School.—Roof and downspouts repaired and painted, all outside woodwork painted two coats, repairs to floors, hydrants, urinal, fence, sash-cord, doors, paving, glazing, etc., etc.

No. 2 Primary School.—New cloak-room built, changes made to doors, repairs to shutters, sash-cord, glazing, downspouts, stairway floors, etc. Building poorly ventilated.

No. 4 Primary School.—New building, and few repairs needed. Repairs to sidewalk, drain to areas, etc.

No. 5 Primary School.—Roof painted, all outside work painted two coats, repairs made to floors, doors, fence, plumbing, locks, sash cord, paving, glazing, etc. Building in fairly good condition. Outside steps in girls' yard need repairing.

No. 6 Primary School.—Repairs to floors, doors, fencc, front gates, plumbing and gas fitting, two sanitary water closets put in, etc., cess-pool cleaned.

No. 7 Primary School.—Repairs to roof, sash cord, privy, new hydrant, new cellarway put in, repairs to paving, glazing, etc. Heating apparatus in this building defective.

No. 8 Primary School.—Repairs to floor, roof, gutters, and downspouts, plumbing, new waste to wash-stand, new water pipe in cellar, repairs to hydrant, paving, etc. Cess-pool cleaned. Building in fairly good condition.

No. 10 Primary School.—Repairs to roof and downspouts, new roof on privy, roof and outside woodwork painted, repairs to sash cord, shutters, front fence, etc. This building is unfit for school purposes, being poorly ventilated and having very poor light.

No 11 Primary School.—Repairs made to shutters, floors, fence, new yard gate, new vestibule partition at entrance from girls' yard, new water supply to cellar and water closet. All outside shutters painted, repairs to locks, sash cord, glazing, etc. Building in good condition.

No. 12 Primary School Building.—Roof repaired, new gutters and downspouts, new roof on privy, repairs to floors, doors, sash cord, glazing, etc. New ventilating pipe put to teachers' closet, new wire screen over rear window, roof painted, cess-pool cleaned.

No 13 Primary School.—Repairs to floors, sash chain, locks, glazing, etc, This is comparatively a new building. Repairs needed to waste pipe and rear door, also paving, and curb near rear of building.

No. 14 Primary School.—Repairs to ventilator, sash cord, new stay to flagpole, new hood over rear door, new iron handrails to side steps, glazing etc. Building in good condition.

No. 15 Primary School.—Repairs to gutters and downspouts, two new hydrants, new water supply pipe, sash cord, glazing, locks, etc.

No. 16 Primary School.—Repairs to floors, sash chain, roof, plumbing, paving, glazing, painting, two new sanitary water closets put in.

No. 17 Primary School.—Repairs to gutters, downspouts, gates, sash cord, glazing, etc. This building is in poor condition for school purposes, being badly heated and ventilated and having very poor light.

No 18 Primary School.—Repairs to roof, entire new gutters and downspouts, repairs to water pipe, new hydrant, paving, floors, doors, locks, sash cord, glazing, etc., four new galvanized chimney caps, repairs to fence. Cellar window should have sash and wire screens.

No. 20 Primary School.—All doors of first and second floors were changed so as to open into corridors, repairs made to roof, closet floor, urinal, glazing, etc.

No. 21 Primary School.—Repairs to roof, downspouts, plumbing, cess-pool cleaned, repairs to sash cord, hydrant, paving, locks, glazing, etc.

No. 22 Primary School.—Repairs to roof, shutters, hydrants, paving, doors, sash-cord, glazing, floors, fence, etc. Cess-pool cleaned. All outside woodwork painted. New iron door over coal-chute.

No. 23 Primary School.—Few repairs were necessary. Water supply was extended into cellar, paving in yard repaired, glazing, etc. Roof needs painting.

No. 24 Primary School.—Repairs to gutters, downspouts, doors, sash-cord, paving, glazing, etc.

No. 25 Primary School.—Few repairs needed. Cellar drainer repaired. Repairs to doors, glazing, etc.

No. 26 Primary School.—New frame vestibule put up, repairs to chimney-caps, urinal trough, new hydrant, paving, painting inside and out, glazing, etc. Roof should be painted.

No. 27 Primary School.—Frame fire-escape painted two coats, repairs to sash cord, glazing, two new hydrants, paving, etc. Roof needs repairing and painting, shutters should be repaired.

No. 28 Primary School.—Repairs to urinal, closet floors, hydrants, six new chimney-caps, repairs to doors, locks, sash cord, glazing, etc.

No. 29 Primary School.—Repairs to shutters, cellar sash, sash cord, fence, gates, etc. All outside shutters painted two coats. The cellar is very damp, should have cement floor, water stands in furnace pits and becomes stagnant.

No. 30 Primary School.—Repairs made to roof, downspouts, new outside steps, fence, sash cord, glazing, painting, etc.

No. 31 Primary School.—Comparatively new building, and a few repairs needed. 12 feet new curb set, repairs made to paving, new hydrant, glazing, etc.

No. 32 Primary School.—Few repairs needed. All transoms throughout entire building were hinged and transom rods put on, repairs made to plumbing, glazing, etc.

No. 33 Primary School.—Repairs to paving, glazing, etc. Although this is a new building (1890), it was found necessary to put up sixty-five feet of new gutter and extensive repairs to downspouts, also new waste for wash basins.

No. 34 Primary School.—New building (finished 1896). No repairs required except sewer became choked and had to be opened.

No. 35 Primary School.—Repairs to paving, plumbing, hydrants, hand-rails, etc. Two new frame vestibules were built at rear entrances.

No. 37 Primary School.—But little required here.

No. 38 Primary School.—Repairs to roof, glazing, etc.

No. 39 Primary School.—All outside and inside woodwork painted, roof repaired and painted, repairs made to hydrants, umbrella stands, privy, doors, locks, glazing, etc.

No. 1 English German School, Druid Hill Avenue.—Repairs to plumbing, sash-cord, doors, new gutters and downspouts, repairs to roof, brick flues. All outside woodwork and brick pilaster painted.

No. 2 English-German School.—Repairs to roof, new gutters and downspouts around entire building, repairs to hydrants, paving, etc., cess-pool cleaned, repairs to sewer, sash-chain, doors, lock, glazing, etc. Roof should be painted.

No. 3 English-German School.—Repairs to privy roofs, front fence, urinal-trough, new cement pavement under urinals, new brick pavement in yards, repairs to downspouts, new floor in two class-rooms in west annex, repairs to plastering, sash-cord, glazing, etc. The building used as an annex is poorly adapted to school purposes.

No. 4 English-German School.—Repairs to doors, floors, locks,

sash-cord, etc. All outside woodwork painted, new wire-guards put on fire escape.

No. 5 English German School.—Roof repaired and painted repairs to downspouts, hydrants, new urinal trough, one class-room painted, glazing, repairs to doors, locks, etc.

No. 6 English-German School.—Repairs to doors, sash, hand-rails, paving, glazing, etc. New building 1894. Much of the work very inferior.

No. 1 High and Grammar Colored School.—Few repairs made to this building.

No. 2 Colored School, Jefferson Street.—Repairs made to chimney-caps, building painted, repairs to plastering, hydrants, paving, glazing, etc.

No. 3 Colored School, Hill Street.—New wood ceilings put in five class-rooms and corridor second floor, fourteen feet of new curb and pavement on front, new yard paved, side wall of adjoining house cemented, repairs made to cellar drainer, new yard and front fence, glazing, etc. Adjoining property torn down to enlarge yard.

No. 3 Colored School, Howard and Montgomery Streets.—Extensive repairs made to roof, gutters and downspouts, shed over urinal, repairs to doors, windows, etc. Roof of this building needs painting badly.

No. 4 Colored School.—Repairs to fence, shutters, floor, doors, sash cord, glazing, paving, etc.

No. 5 Colored School.—Woodwork of entire building inside and out painted two coats, repairs to shutter, doors, frame fire-escape, coal shed, closet floors, new hydrants, paving, gutters, downspouts, glazing, etc.

No. 6 Colored School.—Repairs to hydrants, water pipe, paving, outside steps, sash cord, doors, glazing, etc.

No. 7 Colored School.—New water supply, front fence repaired, repairs to plumbing, paving, glazing, etc. All outside woodwork painted.

No. 8 Colored School.—Repairs to doors, sash, frame vestibule in yard, roof and shutters, front shutters painted, glazing, etc.

This building is in bad condition, badly ventilated, and is entirely too small.

No. 10 Colored School.—This a new building. Few repairs needed.

Polytechnic Institute.—Repairs to plumbing, stairway, grading and paving yard, new yard wall, gate, etc., new gas supply pipe from meter to laboratory, repairs to gutters, downspouts, plastering, doors, locks, sash cord, floors, rear steps, glazing, etc. One of the toilet rooms in this building is badly located and is in an unsanitary condition. A new one should be put in.

Temporary City College.—New metal ceilings for second floor, painting and sundry minor repairs.

No. 1 Annex School.—Repairs to water supply, etc., etc.

No. 3 Annex School (Male Department).—Repairs to plumbing, fence, privy, glazing, etc., new toilet rooms.

No. 4 and 6 Annex School.—Repairs to plumbing, doors, sash, etc., urinal trough changed and screen put up.

No. 8 Annex School.—Repairs to hydrants, water supply pipe, fence, locks, paving, glazing, etc.

No. 10 Annex School.—Repairs to doors, coal-bin, board walk, roof, fence, etc., cess-pool cleaned, glazing, etc.

No. 11 Annex School.—Few repairs made at this building. A curb should be set to prevent sidewalk from being torn up. Roof needs painting badly.

No. 13 Annex School.—Repairs to hydrants, cellar drainer, paving, plumbing, downspouts, glazing, etc., a new sink put in, washstand moved and new waste put up, repairs to sliding doors, front door, sash, etc.

No. 17 *Annex School.*—Repairs to roof, paving, glazing, etc.

No. 19 Annex School.—An additional class-room built and a general overhauling of building.

Eastern Female High School.—Repairs to floors, plumbing, sash cord, paving, transoms, glazing, etc. All outside woodwork painted two coats.

Western High School.—Few repairs required at this building. Repairs to paving, drain and water pipe to old Crook Mansion repaired.

ENGINE HOUSES.

The necessary repairs were made to the stall floors, the average life of which is five months. Extensive repairs were made to Nos. 2, 7 and 8 Engine Houses and to No. 2 Truck House.

No. 1 Engine House.—Repairs to roof, drain from roof, two new windows of sash, new skylight, manure-pit door.

No. 2 Engine House.—Upper section of tower removed, roof repaired, new drain to roof, sash repaired and woodwork painted. This house needs a new floor in engine room.

No. 3 Engine House.—Upper section of tower removed, roof and downspouts repaired.

No. 4 Engine House.—New bath-tub put in, repairs to water-closet, rear door, watering-trough, etc.

No. 5 Engine and No. 3 Truck House.—Repairs to stalls, to roof, new downspouts, etc.

No. 6 Engine House.—Roof repaired and painted, repairs to plumbing, new water supply, new floor in engine room, room partitioned off for district engineer, dormitory papered. This building needs new sash to all windows, and should be painted inside and out.

No. 7 Engine House.—All outside woodwork painted two coats, tower three coats, repairs made to roof and downspouts, plumbing, etc., and dormitory papered. Roof should be painted.

No. 8 Engine House.—New tin roof, new hose tower, repairs to plumbing, etc.

No. 9 Engine House.—New Belgian block pavement, roof repaired and painted, repairs to downspouts, chimney, plumbing, etc.

No. 10 Engine House.—Extensive repairs made to roof, hose tower lined with tin, roof painted, repairs to plumbing, cess-pool cleaned, repairs to rear doors, etc. This house should by all means have sewer connection, and it needs painting inside and outside.

No. 11 Engine House.—Roof repaired and painted, new stall partitions put up.

No. 12 Engine House.—Roof repaired and painted, repairs

made to sewer, watering trough, new cement sidewalk put down, new sanitary closet put in.

No. 13 Engine House.—New front doors, repairs to stall sides, new galvanized iron watering trough put in, repairs to floor under hose tower, plumbing, etc. Dormitory should be papered and house connected with sewer.

No. 14 Engine House.—Repairs to watch tower, plumbing, new sanitary closet, inside of engine room painted. Rear yard should have cement pavement.

No. 15 Engine House.—Repairs to roof, new ventilator put on roof, new sanitary water-closet, etc. Although this is a new building (1890), the roof is in such bad condition that it will last but a short time. The front pavement should be repaired.

No. 16 Engine House.—New sanitary closet put in. The outside of this building should be repaired and painted.

No. 17 Engine House.—Few repairs made to this building, cess-pool cleaned three times. This house should have sewer connection. Roof needs repairing and painting.

No. 18 Engine House.—Repairs to sewer, roof, etc., new smoke flue, change made in bath-room and new wash-stands, with three basins put in, rear yard cemented, two new stalls put in. This house needs a larger water supply.

No. 19 Engine House.—Few repairs needed. Roof should be painted.

No. 1 Truck House.—Roof repaired and painted, new chimney cap, new floor and side wall to stable in rear, repairs to sewer, plumbing, etc.

No. 2 Truck House.—New joist and floor entire first floor, repairs to plumbing, gas fitting, etc.

No. 4 Truck House.—New front pavement (cement), repairs to sewer, plumbing, etc.

No. 5 Truck House.—Repairs to roof, plumbing, etc. This building needs new sash in dormitory and should be painted inside and outside.

No. 6 Truck House.—New watch tower built, roof repaired and painted, fence in rear of house has been removed, giving

clear driveway for District Chief's wagon. Cobblestone paving in yard should be removed and asphalt block put down.

No. 10 Truck House.—Roof repaired and painted, new flashing around watch tower, repairs to plumbing, two new closets, new wash-basin, wire screens to windows of hospital, hot water pipe run to soak stall.

MARKET HOUSES.

Lexington Market.—Repairs to roof and downspouts. Roof should be painted.

Richmond Market.—Repairs to tower, roof and downspouts. Roof should be painted.

Centre Market.—Repairs to brick piers in fish market, gutters and downspouts; water pipe in clerk's office; new gutters and downspouts needed to fish market.

Fell's Point Market.—Repairs to plastering; new valleys put on sheds Nos. 1 and 2; repairs to downspouts. Roof needs painting. Paving needs repairs.

Canton Market.—Expensive repairs made to roof and downspouts.

Hanover Market.—Repairs made to roof, downspouts, water plugs and paving. Roof needs painting badly.

Cross Street Market and Hall.—Extensive repairs made to roof downspouts. Repairs to floors, plumbing, chimney, sash chain, glazing, etc. Office of clerk should have two new windows.

Hollins Market and Hall.—Repairs made to paving, plumbing, roof and downspouts, new water supply.

Lafayette Market.—Repairs made to roof and downspouts. Roof should be painted.

FOURTH REGIMENT ARMORY.

This building is nearing completion and will be practically a new building. All work done at this building is first class.

During the year I have inspected the improvements made in thirty-six buildings, most important of which are: Kingen and Company's cold storage warehouse, South street, near Pratt, and

the alterations and improvements to the old Miller's Hotel; also examined twenty warehouses, found it necessary to condemn one (large frame), two were found to be overloaded, the others were safe; also examined the following structures, for which permits were issued by special resolution of Mayor and City Council, viz: Ten frame buildings or sheds, seventeen bay-windows, four show-cases. In each case the requirements of resolution were complied with.

Examined the grand stand and open stand in the grounds of the Baltimore Base Ball and Exhibition Company. Grand stand is safe. The open stand should have extensive repairs made before another season opens.

December 15, 16, 17 and 18, I had the honor to represent this department at Phœnixville, Pa., to witness a series of tests made of cast-iron column. A special report will be made of same.

Respectfully submitted,

JOHN B. WALTER,

Superintendent of Repairs.

REPORT OF INSPECTOR OF FURNACES.

DEPARTMENT OF BUILDINGS,

BALTIMORE, January 1, 1898.

To the Inspector of Buildings:

Sir: I have the honor to make the following report:

Since June 1, 1896, when I entered upon the duties of Inspector of Furnaces and Heating Apparatus, ten hundred and ninety-four (1084) permits have been issued for the erection of furnaces and heating apparatus and ninety-six (96) requests received for the examination of situations reported to be dangerous or illegal.

I have examined and approved fourteen hundred and sixty-eight (1468) and condemned three hundred and sixty-eight (368) fur-furnaces and other heating apparatus, not including those in the public schools.

In July and August, 1896, I made a thorough examination of one hundred and six (106) public school buildings, with seven (7) annexes thereto, and found many things not in compliance with the Furnace Law, including thirty-three situations which were positively dangerous. Written reports were made of every inspection. Since then I have condemned twenty-seven (27) situations in schools. Five (5) schools have been set on fire as a result of defective workmanship or lack of judgment in the placing of registers, pipes, etc.

The responsibility for these conditions does not rest upon this office, as there is no authority vested here to order repairs for heating apparatus in schools.

In private houses I have found a great many very dangerous situations, most of which have been remedied in accordance with my suggestions. In a valuable house on North avenue a fire resulted from a fire in an open fireplace in the second story. In my judgment, based upon experience, three-fourths of the fireplaces constructed are unsafe and often dangerous for either coal or wood

fires. When persons desire to use fireplaces they should have them examined and made thoroughly fireproof by careful workmen. In a house on Eutaw Place fire was caused by a joist entering the smoke-flue of an adjoining house instead of resting on a trimmer in front of flue. In a house on Linden avenue I found a stair-rail fastened to the wall, which had not been plastered in front of flue of adjoining house. The intense heat from the range and laundry stove entering that flue had charred the wood-work, and in a short time would have set fire to the house.

In my opinion, the mild climate of this locality prevents the occurrence of more fires. A long continued cold spell would probably cause a number of fires, owing to the extreme dryness of the wood-work of the buildings that comes into close proximity to the hot-air and smoke pipes. In seasons of protracted cold weather furnaces are generally forced to their utmost heating capacity.

Respectfully submitted,

N. B. SHOREY, *Inspector of Furnaces.*

ANNUAL REPORT

—— OF THE ——

GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS,

—— TO THE ——

Mayor and City Council of Baltimore,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31st, 1897.

ANNUAL REPORT.

OFFICE OF THE GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METRS—

CITY HALL ANNEX,

BALTIMORE, December 31, 1897.

To the Honorable, the Mayor, and City Council of Baltimore:

GENTLEMEN;—I have the honor of presenting the Eighteenth Annual Report of this department, showing the appropriations, receipts and disbursements, and the general operation of affairs relating to the lighting of the City for the year ending December 31, 1897.

There are now in use in the first twenty wards of the city:

City proper—1,304 Electric arc lamps.
5,151 Gas lamps.
331 Gasoline lamps.

And in the Twenty-first and Twenty-second wards:

City Annex— 51 Electric arc lamps.
892 Gas lamps.
695 Gasoline lamps,

making a total of eight thousand four hundred and twenty-four lamps used in lighting about eight hundred (800) miles of streets and highways.

ELECTRIC LIGHTS.

The electric lamps are supplied by contract, with the Brush Electric and the Edison Electric Illuminating Companies; the contracts was made for five (5) years, at thirty-five (35) cents per lamp per night; the contractors furnish all the plant and attend to all work connected therewith. These contracts expire September 7, 1899.

The Electric Light service continues up to the high standard of efficiency as required by the specifications.

A copy of the specificattons, which are a part of the Electric Light contract:

SPECIFICATIONS.

1. Bids must be submitted in sealed envelopes addressed to "The Electric Lighting Commission" in care of the Secretary to the Mayor and endorsed "proposals for Electric Lights."

2. The city will be divided into three districts called the Western, the Eastern, and the Northwestern.

3. Separate bids must be made for each district and contract may be awarded for one or more districts.

4. All bids must be for lights now in service in a district, and any others that may be ordered erected in that district.

5. A current strength sufficient to develop and maintain the full normal candle power of a nominal 2,000 candle-power lamp at each and every lamp in circuit must be maintained during the hours fixed for the lamps to be burning.

6. The contractors must maintain at their own expense an efficient system of patrol for inspecting the lamps during the hours they are in use, so that any lamp which fails to burn properly, shall be promptly reported and put in order or immediately replaced; and for this inspeetion a sufficient number of men shall be employed to enable each lamp to be examined at least three times during each night.

7. For the purpose of making tests of currents and examining lamps, apparatus and appliances, it is understood and agreed, that at any time the city, by such person or persons as the General Superintendent of Lamps may authorize, shall have access to all lamps, apparatus and appliances in the city and to the plants of the contractors, and shall have the privilege at any and all times of attaching, in any of the circuits, at such point or points, as may be selected by the General Superintendent of Lamps such measuring instruments as he may desire to use and to maintain the same so long as he may judge it advisable, and any lamp or light not up to

the standard, as required by these specifications, will be considered as not burning.

8. Lamps must be provided with the best quality of clear glass globes which are to be kept clean at all times at the expense of the contractors.

9. Lamps not satisfactory to the General Superintendent of Lamps shall be changed and satisfactory ones substituted within twelve hours after notice that change was desirable.

10. The General Superintendent of Lamps must be advised within five days from the date that the lighting commences under the contract, of the K. W. capacity of the several dynamos in use, and of the number and location of the lamps on each circuit, and of all changes as soon as they are made.

11. No dynomos shall have in circuit more than two (2) lamps per K. W. and no service whatever, unless approved by the General Superintendent of Lamps, other than that contracted for by the city, shall be supplied from the circuits giving current to the city lamps.

12. The contractor must furnish, erect and maintain all poles, wiring lamps, connections and fixtures, including arms or brackets, if such are desired.

13. Lamps must burn from sunset to half an hour before sunrise on every day of the year while the contract is in force.

14. Changes of locations of lamps or poles must be made by the contractor immediately upon notice from the General Superintendent of Lamps, and the actual cost only of such change be charged to the city.

15. Lamps may be discontinued at any time on order from the General Superintendent of Lamps, with the approval of the Mayor.

16. Any contractor under these specifications, shall, within ninety days after the annulment of this contract, remove any and all lamps, lamp posts and fixtures used, erected and maintained by him for the city lighting, if so required by the Mayor.

17. Each bidder must enclose with his bid certified checks for five hundred dollars ($500) for each district bid for. None of the checks received will be returned until the successful bidder or bid-

ders have given a satisfactory bond for the proper carrying out of the contracts, and then all checks will be forfeited to the city by any bidders to whom a contract is offered for any one or more districts and who fails to give a satisfactory bond. All checks not forfeited as above will be returned to the bidders when contracts are finally awarded.

18. The contractors shall each day before 3 P.M. make a written report to the General Superintendent of Lamps, stating whether any lamps were out on the preceding night, the number of lamps that were out, if any, the length of time each of such lamps were out and the cause thereof; and if the said lamps or any of them were out by reason of the failure of current to supply said lamps, the said report shall further contain the cause of such failure.

19. No change of current from one city circuit to another city circuit will be permitted during the hours the lights should be burning.

20. Poles for street lamps and circuits, and the means of suspension must not be dangerous, unsightly, or such as to incommode the adjoining property unnecessarily, but be erected in a manner satisfactory to the General Superintendent of Lamps, his approval, however, shall not relieve the contractor of responsibility in case of accident or injury to person or property.

21. All safety appliances known in the best electrical practice shall be used throughout the system authorized directly or indirectly by this contract.

22. All generators, lines, lamps and other apparatus used for lighting shall be kept free from grounds, *i. e.*, both sides of all circuits must be kept well insulated from the earth.

23. Bond for twenty thousand dollars ($20,000) for the faithful performance of contract will be required.

24. Nothing in these specifications shall be taken or construed as prohibiting or preventing the Mayor and City Council, the Public Park Commissioners or any other public board or commission appointed by the Mayor and confirmed by the Council, from establishing, using and maintaining their own dynamos and other plant for the lighting of any public park or building under the control or

supervision of the said Mayor and City Council, Board of Public Park Commissioners or other public board or commission.

25. In case of any suit against the city for damages caused by the electric current, or want of it, at points where the lamps should be burning, or where wires are placed for the purpose of supplying said lamps, the contractors agree to defend all such suits at his expense and pay all damages for which the city may become liable by reason of such suits.

26. The contract under the ordinance will be for five years.

27. Failure on the part of the contractor to comply with any conditions of these specifications gives the city the right to annul the contract, upon giving sixty days' notice in writing by the Mayor, of its election to do so.

28. Any lamp out for half an hour and burning for the rest of the night, half pay only to be charged. If out an hour no pay.

The Western District shall comprise all territory bounded by old city limits on the north, by the old city limits on the west, by the old city limits on the south, and on the east as foliows: Hanover street from the water to Baltimore street, Baltimore street to McClellan's alley, McClellan's alley to Fayette street, Fayette street to Crooked lane, Crooked lane to Lexington street, Lexington street to Sharp street, Little Sharp street to Saratoga street, Saratoga street to Cathedral street, Cathedral street to Biddle street, Biddle street to Maryland avenue, Maryland avenue to North avenue. Where streets are named both sides are included.

The Eastern district is to comprise all territory bounded on the north by city limits, on the south by city limits, on the east by city limits, and on the west by the eastern line of the Western District as named above, and further by a line projected north from North avenue to city limits at Maryland avenue.

The Northwestern District covers the territory west of the old city limits as named in the ordinance directing the lighting with arc lamps, Calverton, Walbrook and West Arlington avenue.

Parks and city buildings, which are now contracting for their own lights, are not considered as forming a part of the above districts.

In addition to these specifications, this department has a system of inspection by which each lamp is tested for its voltage, and each circuit for its amperage.

These tests are made on the streets, which affords the department the opportunity of knowing whether the companies are supplying the proper amount of current, without the knowledge of the contractors, and any lamps found not up to the nominal two thousand (2,000) candle power are considered not burning, for which the companies receive no pay.

The Police Department is supplied with blank forms, upon which reports are made each morning, of all lamps known to have been out, and the time they were out.

These reports the department uses to verify those which the electric companies make daily to this office.

And I might say that the Police Department has very materially assisted the officers of this department by reporting the defective lamps, for which I must express many thanks.

When the first electric lamps were put in service (June 1, 1882) they were placed on top of poles and short brackets, since which time they have been either placed on mast arms or longer brackets, which throws the lamps further into the center of the streets, thereby better diffusing the light, there being fewer shadows from telegraph poles, awnings and other obstructions.

Beginning with the year 1882, when the arc lamps were first introduced on our streets the service has been increased as follows:

Year.	Lamps.	Year.	Lamps.	Year.	Lamps.
1882	225	1887	531	1892	1,030
1883	225	1888	584	1893	1,035
1884	243	1889	603	1894	1,039
1885	409	1890	667	1895	1,278
1886	476	1891	962	1896	1,338
		1897	1,355		

The arc lamp service could not be extended during the past year, owing to insufficient appropriation, but applications have been received for electric lights, and upon investigation I find urgent need of them, where asked for near the water front.

GAS LAMPS.

There is no contract with the Gas Company; for gas, the city pays the same as the private consumer, viz.: $1 25 per M.

A monthly statement of the consumption is taken from the meter lamps (which are located in different parts of the city) from which an average is taken by which the city pays for the gas supplied the lamps.

The gas lamp service has been greatly improved during the year. A contract was made for one year with the Welsbach Street Lighting Company of America for furnishing and keeping in repair the Welsbach fixtures, mantles and globes at the rate of thirteen ($13 00) dollars per lamp per annum. Under this contract, and with the approbation of the Mayor, we have had Park avenue, Eutaw Place, Madison avenue, Mount Royal avenue, Jackson Square, Pratt street square and Broadway squares lighted with the "Improved Welsbach Burners." These burners have been in use since March the 1st, last. They meet with general satisfaction and approbation of the public who travel those thoroughfares, especially the many men and women who throng the avenues to enjoy a ride on their wheels.

There are now four hundred and fifty-six of these lamps in service, the candle power of which has been increased from about twenty-five (25) to sixty (60) candle power, consequently more brilliantly lighting the streets, and without any additional cost to the city.

The glycerine governor burner which was adopted by the department many years ago, continues to give admirable service as a flat flame burner. I feel satisfied that by its use, in controlling the pressure, on the street mains, the city saves at least twenty thousand ($20,000) dollars per annum.

I would recommend that authority be given the General Superintendent of Lamps, etc., to order the Gas Company to lay mains, as there are times when it is desirable to erect lamps, but there is no authority to order mains laid.

GASOLINE LAMPS.

The contracts for supplying gasoline and filling the fluid-burning lamps will expire June 30, 1898.

The contract for the first twenty wards is with Messrs. S. H. Randall, Jr., & Co., for ten dollars and forty-nine ($10 49) cents per lamp per annum, and the Twenty-first and Twenty-second Wards with George Eisenberg, Esq., for ten ($10 00) dollars per lamp per annum.

Specifications governing the gasoline contract:

SPECIFICATIONS.

Each bidder must enclose with his bid a certified check for three hundred dollars. None of these checks will be returned until the successful bidder has given a satisfactory bond for the carrying out of the contract, and then all checks will be forfeited to the city by those bidders to whom the contract was offered and who fail to give a satisfactory bond.

The gasoline must be of the gravity of 72° to 75° and free from water, gum, glue or other impurities, and placed in the lamps through a sieve or strainer in the filler.

The lamps must be filled every other day throughout the year and oftener when required, it being understood that *all lamps in the city* must be filled on Saturdays.

Any lamp that won't burn or goes out, or burns dim for any part of a night, for want of gasoline, or because of any impurities in said gasoline, or if not filled according to the preceding section, will subject the contractor to a fine of twenty-five (25) cents a lamp per night for each lamp requiring attention as above, which fine will be deducted from the amount that would be otherwise due, and the report of the superintendent of the district in which the lamp is located, shall be final. To facilitate the work of the contractor, a report will be given, if desired, each morning (Sundays and holidays excepted) at the office of the General Superintendent of Lamps in the City Hall, of all lamps known to require attention.

The number of lamps may be increased or diminished at the pleasure of the city.

The gasoline lamps continue to give satisfaction, but when the winds are high it is almost impossible to keep them burning, and as soon as gas mains are laid gas lamps are erected in place of them.

DAMAGES TO LAMPS.

There has been considerable difficulty in keeping glass in the lamps in the Annex district; it seems that they are a favorite target, not only for boys, but also for men, to shoot and throw missles at.

In some locations they are put in perfect order in the morning, and by night the glass is entirely broken out of them.

The police authorities have kindly stationed men in citizen's clothes to try and apprehend the offenders, but as soon as the officers leave the practice is resumed.

As deserving special mention, there has been three thousand three hundred and seventy-two (3,372) lights of glass used iu the Twenty-first and Twenty-second Wards to replace that broken during the past year.

STREET SIGNS.

A contract for enamel street signs was made with the "Baltimore Enamel Co." at a price of thirty-nine (39) cents per name and six and a half (6½) cents per number.

During the year I have caused the business or electric light section of the city to be supplied with enamel signs. These signs have very distinct lettering; they were placed in position on the sides of houses at the intersection of the streets.

There were four thousand three hundred and eighty-seven (4387) names, and one thousand one hundred and thirty-nine (1139) numbers put up, at a cost of $2,220.52 for signs, labor, tools, etc.

These signs give general satisfaction and many favorable comments have been made of them, as heretofore the glass signs were used and they were continuously broken, but these signs are guaranteed for five years (5) years.

CONDITION OF LAMPS.

All the gas and gasoline lamps of the first twenty wards have been overhauled and painted, and are now in very good condition. Those in the twenty-first and twenty-second wards are in need of repairs, I have included in the estimate for 1898 a sufficient amount to put these lamps in proper condition.

DISCONTINUED POSTS.

As the city extends, new streets are opened and houses built thereon, more lamps as a matter of course are needed, and in the erection of new lamps, the discontinued posts have been removed from the old locations to the new. Very many more discontinued posts remain standing, and they are not only unsightly, but are an obstruction, especially in the businesss section. I would ask that sufficient appropriation be allowed to have all of them taken down.

SUPERINTENDENTS AND LAMPLIGHTERS.

To care for the seven thousand and sixty-nine (7,069) gas and gasoline lamps there are six (6) superintendents of lamplighters, five (5) in the city proper and one (1) in the Annex, and one hundred and forty-seven (147) lamplighters.

The duties of the superintendents require them to keep a general supervision of the actions of the lamplighters, to see that the lamps in their respective districts are lighted and extinguished on schedule time, that the lighters report their lamps promptly for necessary repairs, and that the lamps are kept clean at all times.

The superintendents districts are very large, thereby allowing derelictions of lamp-lighters that never get to the knowledge of the general superintendent, especially the Annex District.

There is only one (1) Superintendent for both Annex Wards, and the work of superintending and watching over the men scattered over such a large territory cannot be properly done by any one man.

I therefore recommend the division of the Annex district by wards and a superintendent be appointed for each ward, and that all the superintendents be paid the same amount of salary for their services

The superintendents report at the office of the General Superintendent every morning, (on a form for the purpose) all matters that require attention in their several districts.

The rules of the department require the lighters to report each morning before eight o'clock to their superintendent any lamp or lamps in their charge that need attention, and any man failing to obey the rules receives notice of his immediate dismissal.

GAS METERS.

During the year the department has inspected fourteen thousand seven hundred and ninety-seven (14,797) gas meters.

It is not generally known that any consumer of gas; can, by requesting the department, and paying the fee of one (1) dollar in-advance have the meter inspected, and if found registering against them will have their dollar ($1.00) refunded, and a certificate of the test given, upon which the gas company will allow a rebate upon four months bills, of the amount of overcharge, and the gas company is required to put upon the premises an ccurate meter.

COST OF LIGHTING THE CITY.

The cost of lighting the city proper for the year 1897 was as follows:

Office salaries	$ 3,000 00	
Gas lamps	125,593 54	
Electric lights	166,175 18	
Gasoline lamps	5,017 64	
Superintendent and lamp-lighters' salaries	48,288 86	
		$348,075 22

The cost of lighting the city annex for the year 1897 was as follows:

Gas lamps	$21,484 52	
Gasoline lamps	8,733 24	
Electric lamps	6,245 04	
Superintendents and lamp-lighters' salaries	17,138 85	
		$53,601 65

Total Appropriation	$411,807 50
" Expenditures	401,676 87
Balance	$10,130 63

I desire to express my thanks to the employees of the department for the cheerful manner in which they have carried out the orders or requests made of them from time to time.

Respectfully submitted,

WM. H. SWINDELL,
General Superintendent of Lamps, etc.

TABLES.

TABLE A.

Exhibits the number and sizes of meters inspected; also, those rejected as incorrect.

SIZE AND NUMBER OF METERS INSPECTED AND SEALED.

Size of Meters	2-lt.	3-lt.	5-lt.	10-lt.	20-lt.	30-lt.
No. of Meters	73.	647.	13,151.	428.	222.	43.

Size of Meters	45-lt.	60-lt	80-lt.	100-lt.	150-lt.	200--lt.	250-lt.
No. of Meters	37.	25.	2.	16.	3.	2.	1.

SIZE AND NUMBER OF METERS REJECTED AS INCORRECT.

Size of Meters.	3-lt.,	5-lt.,	10-lt.,	20-lt.,	30-lt.,	60-lt.,	80-lt.,	100-lt.,	250-lt.
No. of Meters.	2.	118	10	7	6	1	1	1	1

In addition to the above there were 49 lamp, markets and engine-house meters taken out, 47 of which were incorrect or otherwise out of order.

TABLE B.

Shows the amount received by the department and paid to the Register on warrants from the Comptroller.

Inspecting gas meters	$3,627 00
Recovered damages to lamps	258 90
	$3,885 90

TABLE C.

Exhibits the amount of the appropriation and the amount expended with balance unexpended, for the electric-light account.

Approriation for electric lights	$166,350 00
Amount expended	166,175 88
Balance	$174 82

TABLE D—CITY PROPER.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gas account.

Appropriation for gas	$132,612 50
Amount expended	125,593 54
Balance	7,018 96

TABLE E—City Proper.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gasoline account.

Appropriation for gasoline	$5,804 00
Amount expended	5,017 64
Balance	$786 36

TABLE F—Annex.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the electric light account.

Appropriation for electric lights	$6,340 00
Amount expended	6,245 04
Balance	94 96

TABLE G—Annex.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gas account.

Appropriation for gas	$ 22,735 00
Amount expended	21,484 52
Balance	$1,250 48

TABLE H—Annex.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gasoline account.

Appropriation for gasoline	$8,796 00
Amount expended	8,733 24
Balance	$62 76

TABLE I—City Proper.

Exhibits the amount of appropriation for office salaries, and amount expended.

Appropriation for office salaries	$3,000 00
Amount expended	3,000 00

TABLE J—City Proper.

Exhibits the amount of appropriation for Superintendents and Lamplighters' salaries, and amount expended, with balance unexpended.

Appropriation for Superintendent and Lamplighters' salaries	$48,328 00
Amount expended	48,288 86
Balance	$39 14

TABLE K—City Annex.

Exhibits the amount of appropriation for Superintendent and Lamplighters' salaries, and amount expended, with balance unexpended.

Appropriation for Superintendent and Lamplighters' salaries	$17,842 00
Appropriation expended	17,138 85
Balance	$703 15

TABLE L—City Proper.

Shows the amount required for the year ending December 31, 1898.

The appropriation for electric lights will cover the cost of the electric lamps on the streets, in squares, markets, on bridges, and in the clock at No. 6 Engine-house, and the inspection of the lamps, as well as for apparatus and repairs to same	$173,365 50
The appropriation for gas will cover the cost of gas for street lamps, squares, markets, bridges, Washington Monument, erecting and removal of lamps, straightening posts, renewal of services, new globes, new lanterns, lamp-posts, street signs, burners, stops and all necessary repairs for keeping the lamps in good condition, and for additions and alterations to gas-pipes or fixtures in public buildings	$142,525 35
The appropriation for gasoline will cover the cost of gasoline and filling the fluid-burning lamps, new posts, lanterns, burners, valves, lamp-wick, glass and all necessary repairs for keeping the lamps in good condition	$5,968 00
The appropriation for office salaries	$3,000 00
The appropriation for Superintendents and Lamplighters' salaries	$18,178 00

TABLE M—City Annex

Shows the amount required for the year ending December 31, 1898.

The appropriation for electric lights will cover the cost of the electric lamps on the streets and highways.....	$7,792 77
The appropriation for gas will cover the cost of gas for street lamps, erecting and renewal of lamps, renewals of services, straightening posts, new lanterns, globes, burners, lamp-posts, stop-cocks, street signs, and all needed repairs to keep the lamps in proper condition.	$26,137 18
The appropriation for gasoline will cover the cost of gasoline and filling of the fluid-burning lamps, new posts, lanterns, burners, valves, lamp-wick, glass and all needed repairs to the fluid-burning lamps.....	$9,654 00
The appropriation for Superintendent and Lamplighters' salaries.....	$17,992 00

ANNUAL REPORT

—— OF THE ——

CITY COLLECTOR,

—— TO THE ——

Mayor and City Council of Baltimore,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

TAX DEPARTMENT.
CITY COLLECTOR'S OFFICE—CITY HALL.
BALTIMORE, January 1st, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have the honor to submit for your inspection the operations of this department for the year ending December 31, 1897, in the first twenty wards of the city, and also in the Twenty-first and Twenty-second Wards. The amount of money received from all sources during the year, including the Twenty-first and Twenty-second Wards was $6,534,665,43.

Table A shows the monthly collections of both city and State, including the Twenty-first and Twenty-second Wards, amounting to $6,534,665.43; of this sum, the city's proportion was $5,949,362.96, and that of the State $585,302.47.

Table B shows the bases of the several levies on which collections have been made during the past year, with the amounts collected on each levy; also the gross amounts received for opening and for paving streets, also amount received from mortgages.

Table C shows the rate of tax per one hundred dollars and the various items of several levies, from 1892 to 1897, inclusive.

Table D is an exhibit of the monthly receipts on the several levies from 1893 to 1897, also receipts for opening streets and alleys and paving streets and alleys, for stocks and bonds and for mortgages.

Table E exhibits the amounts collected during the past year, in accordance with the rates stated in table C, divided in separate items forming each levy; also the amounts of interest received from taxes in arrears, also amounts received for opening and for paving streets and alleys, from stock and bonds and from mortgages.

Table F No. 1 shows the bases and the basis collected upon within each year on the levies of the year 1888 to 1897, inclusive, to December 31 of each year, also on the levy of 1897 to December 31, 1897, and on the levy of 1896 to December 31, 1897.

Table F No. 2 shows the percentage collected on the present bases from 1891 to 1897, inclusive, from the dates of the respective levies, to December 31, 1897.

Table G shows the percentage collected monthly from January 1, 1897, to July 1, 1897, on the levy of 1896, and on the levy of 1897 to December 31, 1897.

Table H shows the receipts for opening, closing and widening streets and alleys during the year, amounting to $249,776.04.

Table I shows the receipts for paving streets and alleys during the year, amounting to $45,638.08.

Table J shows the total amounts collected, the total basis collected upon during the year 1897, in comparison with the same for the year 1896.

Table K is an exhibit of the bases of taxation realized upon on the levies from the year 1877 to 1894, inclusive, in the first twenty wards of the city.

Table L shows the total collections made during the year on levy of 1897, on taxes in arrears, on stock and bond, on mortgages and on interest, in comparison with the estimates as made by the Committee of Ways and Means.

Table M is an exhibit of the amount of mortgages and the interest on same entered upon the books of the Tax Department, also a statement of the amounts collected monthly from September 1 to December 31.

Annex Department,
Twenty-first and Twenty-second Wards.

Table A shows the amounts of city and State taxes collected during the year upon the levies of 1893 to 1897, amounting to $272,057.18, also the bases upon which such collections were made.

Table B shows the basis of the several levies on which collections havs been made during the year, including the amount of

interest received from taxes in arrears, and amount of discount allowed for prompt payment.

Table C shows the percentage collected upon the present bases of the years 1889 to 1897, from the dates of the respective levies to December 31, 1897.

In submitting this my annual report, I desire to call your attention to Tables "L. and M." These tables show the result of the year's collections as compared with the estimates as made by the Committee of Ways and Means, and in my judgment are the important tables for your consideration in making up future levies.

I would especially ask your attention to Table "M," which treats entirely of the Mortgage Tax. I am informed by the Clerk of the Superior Court of Baltimore City, that the cost of producing this record for the Tax Department, amounted to $2,705.73. From estimates received from Thomas K. McCormick, Chief Clerk of the Appeal Tax Court, the cost hereafter of obtaining these records will be about $25 per month. When you consider a clerk must be employed at, say $1,300 per annum, together with the costs of books, stationery, etc., and the immense amount of labor in connection with the collection of this tax, bearing in mind that the average amount of the real bill is about $7 each, and the chattel bill less than 70 cents each, it seems to me to be important that you take under consideration the advisability of making an effort for the repeal of this law. I would say for your information that I have been informed (not officially) that Baltimore City is the only place where the Mortgage Tax law has been carried out.

Owing to the new assessment of last year the work of this department has been largely increased, especially at the desks known as Annex Twenty-first and Twenty-second Wards. Under the Annexation Act of 1888, there can be no increase in the taxable basis, as returned from Baltimore County in these two wards, for city purposes until the year 1900; therefore, we have been compelled to keep separate city and State ledgers. These desks were heretofore and are still in charge of two clerks, and as the labor has been more than double over former years, these clerks have been overworked, and I shall therefore ask that another clerk be appointed for the Annex Department.

In looking over the annual reports of my predecessor, I find he has repeatedly asked for enlarged quarters for this department, and I am convinced he was reasonable in his request. This department, as many of you know, has been very much embarrassed in handling the work owing to the lack of space, a number of our men being compelled to work in the alcoves of the hall. I ask that enlarged quarters be given, and will be glad to take up and consider this matter with you at any time you may designate.

Respectfully submitted.

J. F. PARLETT, *City Collector.*

TABLES.

TABLE A.

Total City and State Taxes, including the Twenty-first and Twenty-second Wards, Received from January 1, 1897, to December 31, 1897.

1897.	City.	State.	Total.	Twenty-first and Twenty-second Wards.		
				City.	State.	Total.
January	$884,023 38	$72,799 25	$956,822 63	$29,576 20	$8,635 79	$38,211 99
February	87,571 70	7,141 49	94,713 19	3,703 44	1,053 80	4,757 24
March	99,161 94	8,763 48	107,925 42	4,136 16	1,186 68	5,322 84
April	93,598 53	7,006 24	100,604 77	3,130 16	847 82	3,977 98
May	53,269 89	4,548 71	57,818 60	2,267 21	593 60	2,860 81
June	66,523 93	5,826 36	72,350 29	3,606 64	1,024 03	4,630 67
July	2,454,463 29	244,639 33	2,699,102 62	90,051 16	28,457 45	118,508 61
August	283,808 44	33,391 94	317,200 38	14,364 74	6,126 43	20,491 17
September	245,563 31	21,391 81	266,955 12	7,538 60	2,471 70	10,010 30
October	237,987 62	21,698 96	259,686 58	10,136 38	3,319 12	13,455 50
November	301,994 98	27,625 53	329,620 51	9,720 26	3,588 41	13,308 67
December	937,576 21	62,231 93	999,808 14	25,588 79	10,932 61	36,521 40
	$5,745,543 22	$517,065 03	$6,262,608 25	$203,819 74	$68,237 44	$272,057 18

City, including Streets and Mortgages	$5,745,543 22	State	$517,065 03
City, 21st and 22d Wards	203,819 74	State, 21st and 22d Wards	68,237 44
	$5,949,362 96		$585,302 47

City	$5,949,362 96
State	585,302 47
Total	$6,534,665 43

TABLE B.

Recapitulation of Taxes Collected from January 1, 1897, to December 31, 1897.

	Basis.	Rate.	Tax.	Discount.	Net Tax.	Interest.	Total.
1893.		$1 55		.....			
Real	$52,998		$821 47		$821 47	$249 00	$1,070 47
Personal	158,112		2,450 74		2,450 74	474 92	2,925 66
1894.		1 70		.....			
Real	456,383		7,758 50		7,758 50	1,021 13	8,779 63
Personal	363,879		6,185 95		6,185 95	850 88	7,036 83
1895.		1 75		.....			
Real	14,369,547		251,467 11		251,467 11	21,897 55	273,364 66
Personal	1,282,447		22,442 82		22,442 82	1,801 45	24,244 27
1896.		2 00		....			
Real	57,719,881		1,154,397 62		1,154,397 62	12,225 74	1,166,623 36
Personal	7,961,379		159,227 58		159,227 58	1,459 88	160,687 46
	$82,364,626		$1,604,751 79	.....	$1,604,751 79	$39,980 55	$1,644,732 34
1897.		$2 00		.....			
Real	$148,181,127		$2,963,622 54	$62,439 12	$2,901,183 42	.....	.....
Personal	39,436,567		788,731 34	17,825 72	770,905 62	.....	.....
Gross Basis....	$187,617,694		$3,752,353 88	$80,264 84	$3,672,089 04	.....	.....
Net Basis.....	$183,604,452	$2 00	.....	.....	.....	.....	$3,672,089 04

TABLE B—Continued.

STOCKS AND BONDS.

	Basis.	Rate.	Tax.	Discount.	Net Tax.	Interest.	Total.
Gross Basis....	$43,992,283	30	$131,976 84	$3,386 18	$128,590 66	.....	.....
Net Basis.....	$42,863,556	30	.....	.....	.....	.....	$128,590 66

	5,445,412 04
Opening streets and alleys	249,776 04
Paving " " "	45,638 08
Mortgages (See Table "M")	4,717 06
	$5,745,543 22

NOTE.—The discount allowed by the Mayor and City Council for prompt payment of Taxes on Levy of 1897 on Real and Peasonal and Stocks and Bonds, according the above table was $83,651.02, which is equivalent to the tax on a basis of $5,141,569, and this amount deducted from the Gross Basis $231,609,977, leaves a net basis collected upon of $226,468,008. See Table F, No. 1.

TABLE C.

Rate of Tax Per One Hundred Dollars.

	1892.	1893.	1894.	1895.	1896.	1897.
Police Department	25	31	25	28	27	30
Certain expenses	8	7	8	8	9	7½
Public schools	25	32	32	31½	37½	36¾
City poor	10	11	10	12	11	13
City direct	43	29	52	53	66½	52
Interest on stock debt	30	30	23	30	27	32½
Opening streets	3	4	7	1	4¾	10
Water tax	2	2	2	.....	.....	.....
Water 1926 Sinking Fund	1	1	1	1	1	1
Internal Improvement 1928 Sinking Fund	3	3	3	3	3	3
General Sinking Fund	5	5	5	5	8¼	8¼
Public Improvement 1940 Sinking Fund	.....	.....	2	2	2	2
Four Million Loan Sinking Fund	.....	.....	.....	½	½	½
Water 1916 Sinking Fund	.....	.....	.....	.....	2	2
Water 1922 Sinking Fund	.....	.....	.....	.....	½	½
Funding 1936 Sinking Fund	.....	.....	.....	.....	.....	1
Totals	$1 55	$1 55	$1 70	$1 75	$2 00	$2 00

TABLE D.

Monthly Receipts of Taxes on the Several Levies from 1893 to 1897 inclusive; for Opening Streets and Alleys; Paving Streets and Alleys; Stocks and Bonds, Mortgages, from January 1, 1897, to December 31, 1897, inclusive.

1897.	1893.	1894.	1895.	1896.	1897.	Opening Streets and Alleys.	Paving Streets and Alleys.	Stocks and Bonds.	Mortgages.	Totals.
Jan..	$366 77	$2,173 68	$40,393 67	$829,428 81	.....	$2,402 25	$9,258 20	.....	.....	$884,023 38
Feb..	360 33	2,200 65	19,926 47	58,179 99	.....	2,946 93	3,957 33	.....	.....	87,571 70
Mch..	1,098 01	3,980 76	34,110 69	59,312 69	.....	569 50	90 29	.....	.....	99,161 94
Apr..	1,104 55	2,691 39	21,914 89	56,438 99	.....	65 88	11,382 83	.....	.....	93,598 53
May..	985 16	1,583 25	15,365 57	33,607 14	.....	100 00	1,628 77	.....	.....	53,269 89
June..	35 95	1,344 26	24,268 25	39,592 55	.....	721 40	561 52	.....	.....	66,523 93
July		833 94	13,298 33	49,772 66	2,285,133 90	12 00	3,161 49	102,250 97	.....	2,454,463 29
Aug.....		129 33	15,217 54	30,727 69	226,326 32	4,299 98	2,933 43	4,174 15	.....	283,808 44
Sept		205 48	19,623 68	36,106 92	162,387 91	15,661 66	6,134 86	4,736 79	706 01	245,563 31
Oct		194 79	30,509 38	40,290 29	146,216 26	13,654 70	1,632 97	4,638 82	850 41	237,987 62
Nov..	45 36	371 69	47,425 85	34,347 24	203,352 57	7,153 54	4,669 96	3,902 23	726 54	301,994 98
Dec.....		107 23	15,554 63	59,505 84	648,672 08	202,188 20	226 43	8,887 70	2,434 10	937,576 21
To'ls	$3,996 13	$15,816 45	$297,608 95	$1,327,310 81	$3,672,089 04	$249,776 04	$45,638 08	$128,590 66	$4,717 06	$5,745,543 22

TALE E.

Division of Taxes received from January 1, 1897, to December 31, 1897, inclusive.

	1893.	1894.	1895.	1896.	1897.	Total.
Police Department	$654 43	$2,050 70	$43,825 56	$177,339 42	$550,813 31	$774,683 42
Certain Expenses	147 78	656 20	12,521 60	59,113 19	137,703 42	210,142 19
Public Schools	675 55	2,624 83	49,303 80	246,304 75	674,746 35	973,655 28
City Poor	232 22	820 25	18,782 39	72,249 36	238,685 79	330,770 01
City Direct	616 64	4,265 33	82,955 56	436.780 40	954,743 12	1,479,361 05
Interest on Stock Debt	628 93	1,886 57	46,956 03	177,339 43	596,714 46	823,525 42
Opening Streets	84 43	574 21	1,565 22	31,198 55	183,604 45	217,026 86
Water Tax	42 23	164 06				206 29
Water 1926 Sinking Fund	21 11	82 02	1,565 21	6,568 08	18,360 44	26,596 86
Internal Improvement 1928 Sinking Fund	63 34	246 07	4,695 59	19,704 32	55,081 34	79,790 66
General Sinking Fund	105 55	410 14	7,825 99	54,187 04	151,473 66	214,002 38
Public Improvement 1940 Sinking Fund		164 06	3,130 39	13,136 26	36,720 92	53,151 63
Four Million Loan Sinking Fund			782 61	3,284 06	9,180 22	13,246 89
Water 1916 Sinking Fund				13,136 26	36,720 91	49,857 17
Water 1922 Sinking Fund				3,284 07	9,180 22	12,464 29
Funding 1936 Sinking Fund					18,360 43	18,360 43
	$3,272 21	$13,944 44	$273,909 95	$1,313,625 19	$3,672,089 04	$5,276,840 83
Interest	723 92	$1,872 01	23,699 00	13,685 62		39,980 55
	$3,996 13	$15,816 45	$297,608 95	$1,327,310 81	$3,672,089 04	$5,316,821 38
Opening and Closing Streets and Alleys						249,776 04
Paving Streets and Alleys						45,638 08
Stocks and Bonds						128,590 66
Mortgages						4,717 06
						$5,745,543 22

TABLE F, NO. 1.

Of Percentage Collected Within the Year on Levies 1888 to 1896 to December 31, 1896; also on Levy of 1897 from Date of Levy to December 31, 1897; also on Basis of 1896 to December 31, 1897.

Year.	Basis.	Basis Collected Upon.	Per Cent.	
1888	$267,078,210	$190,212,983	71.22	
1889	270,217,863	193,061,621	71.45	
1890	275,710,432	193,856,812	70.31	
1891	278,398,105	201,662,443	72.44	
1892	282,720,820	205,802,258	72.79	
1893	290,309,113	201,433,295	69.38	
1894	292,090,946	210,798,898	72.17	
1895	295,065,321	211,962,302	71.84	
1896 to December 31, 1896	294,234,565	209,773,836	71.26	
1897 to December 31, 1897	322,444,011	231,609,977	71.83	Gross.
1896 to December 31, 1897	290,830,564	275,455,096	94.71	

1897 Net Basis Collected, Real and Personal	$183,604,452		Per Cent.	
1897 Net Basis Collected, Stocks and Bonds	42,863,556	$226,468,008 See Table B.	70.23	Net.

NOTE.—The discount allowed by the Mayor and City Council for prompt payment of Taxes on the Levy of 1897, from July to December, inclusive, is shown by Table "B" to be $80,264.84 on Real and Personal, and $3,386.18 on Stocks and Bonds, which at the rates of $2.00 per hundred on Real and Personal is equal to a tax on a Basis of $4,013,242, and at the rate of 30 cents per hundred on Stocks and Bonds is equal to a tax on a Basis of $1,128,727. Deducting these amounts from the Gross Basis of $231,609,977 collected upon there is left a Net Basis of $226,468,008 collected upon, or equal to 70.23 per cent. net.

TABLE F, No. 2.

Showing the Percentage Collected on the Present Basis from 1891 to 1897 Inclusive, from the Dates of the Respective Levies to December 31, 1897.

Year.	Present Basis.	Basis Collected Upon.	Per Cent.	
1891	$275,392,228	$275,392,228	100.00	
1892	276,672,351	276,672,351	100.00	
1893	285,057,040	285,005,380	99.98	
1894	288,821,161	288,671,161	99.94	
1895	291,408,272	290,353,176	99.64	
1896	290,830,564	275,455,096	94.71	
1897	322,444,011	231,609,977	71.83	Gross.
			70.23	Net.

TABLE G.

Showing the Percentage Collected Monthly from January 1, 1897, to July, 1897, on Levy of 1896, and on Levy of 1897 from July 1, 1897, to December 31, 1897.

Basis.	Months.	Basis Collected Upon.	Per Cent.
1896. $294,234,565.	January	$41,471,441	14.09
	February	2,893,527	0.98
	March	2,936,272	1.00
	April	2,780,246	0.95
	May	1,747,409	0.59
	June	1,931,344	0.66
		$53,760,239	18.27
1897. $322,444,011.	July	$152,928,198	47.43
	August	12,967,040	4.02
	September	9,846,018	3.05
	October	8,946,548	2.77
	November	11,526,003	3.58
	December	35,396,170	10.98
		$231,609,977	71.83

Real and personal, $187,617,694. Stocks and bonds, $43,992,283.

Basis December 31, 1897	$322,444,011
Less plant exemption	1,688,145
	$320,755,866

Amount collected upon $231,609,977—equal to 72.21 per cent.

TABLE H.

Summary of Receipts for Opening and Closing Streets and Alleys from January 1, 1897, to December 31, 1897, Inclusive.

Collington avenue	$413 00
Gay street	6,835 50
Hollins street	1,830 00
Jefferson street	4,330 93
Burke street	888 00
East aad Chestnut streets	118 75
Townsend street	6,825 75
Bouldin alley	30 63
Port alley	2,774 68
Patuxent street	198 75
Clement street	4,409 96
Fourth street	215 00
Whitelock street	301 13
Nanticoke street	1,470 68
Carroll street	1,322 02
Cleveland street	1,740 00
Rose street	8,887 76
Lanvale street	7,156 36
Patterson avenue	2,957 85
Myrtle avenue	6,772 37
Chew street	458 14
Seventy-foot wide street	8,724 51
Ten-foot alley	52 75
Ensor street	341 00
Fairmount avenue	9,344 55
Bayard avenue	2,872 70
Burrough street	437 50
Ludlow street	2,532 72
Holmes street	1,622 62
Cash from City Register for benefits *vs.* the Mayor and City Council for opening sundry streets, the same having been appropriated and reappropriated for 1897	163,910 43
	$249,776 04

TABLE I.

Summary of Receipts for Paving Streets and Alleys, from January 1, 1897, to December 31, 1897, Inclusive.

Covington street	$839 48
Marshall street	1,191 44
Bayard street	6,562 13
Lawrence street	1,856 73
Beason street	3,318 90
Baker street	521 52
Montford avenue	45 38
Footway	77 96
Luzerne street	2,599 39
North avenue	11,940 54
Fulton avenue	82 17
Cannon street	996 78
Preston street	550 77
Mount Royal avenue	78 49
Lanvale street	920 00
Calhoun street	984 77
Northwest street	1,242 24
Mount street	1,053 74
Carey street	1,641 52
Bruce alley	2,117 77
Madison street	4,701 28
Ridgely street	2,318 97
Ten-foot alley	111 56
Castle street	224 28
Little Forrest street	20 76
Twenty-Three and One-Half street	21 66
Kirby's lane	17 85
	$45,638 08

TABLE J.

Shows the Total Amounts Collected, the Total Basis Collected Upon During the Year 1897 on Taxes in Arrears and on Levy of 1897, in Comparison with the Same for the Year 1896.

The total amounts collected in 1897 were:		
On taxes in arrears	$82,364,626	$1,644,732 34
On levy of 1897, Real and Personal	183,604,452	3,672,089 04
" " " " Stocks and Bonds	42,863,556 @ 30	128,590 66
Total	$308,832,634	$5,445,412 04
The total amounts collected in 1896 were:		
On taxes in arrears	$79,075,197	$1,409,401 53
On levy of 1896	209,773,836	4,195,476 72
Total	$288,849,033	$5,604,878 25

SUMMARY.

1897 taxes in arrears	$82,364,626	$1,644,732 34
1896 " " "	79,075,197	1,409,401 53
1897 on levy of 1897, Real and Personal	$183,604,452	$3,672,089 04
" " " " " Stocks and Bonds	42,863,556 @ 30	128,590 66
1896 " " " 1896	209,773,836	4,195,476 72

TABLE K

Is an Exhibit of the Basis of Taxation Realized upon in the first Twenty Wards of the City on the Levies from 1877 to 1893.

Year.	Total Basis Realized Upon.	Increase.	Decrease.
1877	$233,664,251	.....	.....
1878	227,424,677	.....	$6,239,574
1879	229,254,146	$1,829,469	.....
1880	235,322,164	6,068,018	.....
1881	240,416,582	5,094,418	.....
1882	241,671,879	1,255,297	.....
1883	242,692,143	1,020,264	.....
1884	245,885,024	3,192,881	.....
1885	249,198,435	3,315,411	.....
1886	251,637,320	2,438,885	.....
1887	260,286,192	8,648,872	.....
1888	261,910,095	1,623,903	.....
1889	266,868,823	4,958,728	.....
1890	271,009,010	4,140,187	.....
1891	274,392,228	3,383,218	.....
1892	276,672,351	2,280,123	.....
1893	285,057,040	8,384,689	.....
1894	288,821,161	3,764,121	.....

Increase, $61,398,484.

NOTE.—These are the bases actually collected and realized upon and represent the entire taxable valuations for these years, showing an increase from 1878 to 1894 of $61,398,484.

For the year 1893, however, and also for the years 1894, 1895 and 1896, the actual available bases have not yet been ascertained.

TABLE L.

Showing the Total Collections made during the Year 1897 on Levy of 1897, Taxes in Arrears, Stocks and Bonds and Mortgages in Comparison with the Estimates as made by the Committee of Ways and Means.

1897.	Total Amounts Collected.	Total Amounts Estimated by Committee of Ways and Means.	Deficiency.	Excess.	Per Cent. Collected.
Levy of 1897.					
City	$3,672,089 04	$3,949,300 00	$277,210 96	.....	* 92.98
Annex	128,458 22	147,400 00	18,941 78	.....	87.01
Stocks and Bonds	142,907 82	129,000 00	.....	$13,907 82	.....
Total	$3,943,455 08	$4,225,700 00	$296,152 74	$13,907 82	.....
Taxes in Arrears.					
City	$1,604,751 79	.....	.....	.....	.....
Annex	59,600,08	.....	.....	.....	.....
Total	$1,664,351 87	$1,715,000 00	$50.648 13	.....	97.05
Mortgages	$4,717 06	$10,000 00	$5,284 94	.....	47.17
Interest	41,424 83	38,000 00	.....	$3,422 83	.....

Summary.

Estimated Collections—Levy of 1897			$4,225,700 00
" " Taxes in arrears, including interest			1,753,000 00
" " Mortgages			10,000 00
			$5,988,700 00
Amounts Collected—Levy of 1897		$3,943,455 08	
" " In arrears		1,705,776 70	
" " Mortgages		4,717 06	
			$5,653,948 84
Amount estimated in excess of collections			$334,751 16

* Note.—The $3,949,300, computed as collectible on current taxes, represented 73 per centum of the basis estimated by the Committee of Ways and Means. The amount actually collected was 67.87½ per centum of that estimated basis.

TABLE M.

Is an Exhibit of the Amount of Mortgages and the Interest on same Entered upon the Books of the Tax Department, also a Statement of the Amounts Collected Monthly from September 1, 1897 to December 31, 1897.

Mortgages.	Amount.	Interest.	8 Per Cent.
Real	$6,653,231 12	$246,269 44	$19,701 55
Chattel	249,093 71	9,601 58	768 12
Totals	$6,902,324 83	$255,871 02	$20,469 67

Collections.

	Interest Collected upon	8 Per Cent.	City's Proportion 25 Per Cent.	State's Proportion 25 Per Cent.
September	$11,767 03	$941 35	$706 01	$235 34
October	14,173 39	1,133 88	850 41	283 47
November	12,108 95	968 72	726 54	242 18
December	40,568 36	3,245 47	2,434 10	811 37
Totals	$78,617 73	$6,289 42	$4,717 06	$1,572 36

TABLE A.—*Twenty-first and Twenty-second Wards.*

The collections for the Twenty-first and Twenty-second Wards during the year 1897 were $203,819.74, of which there were collected on:

Levy of 1893	$185 91
" 1894	478 73
" 1895	9,885 89
" 1896	50,493 83
" 1897	142,775 38
	$203,819 74

The basis collected on were:

Levy of 1893	$25,904
" 1894	70,409
" 1895	1,517,022
" 1896	8,320,028
" 1897	26,769,272

The amount of State Taxes collected on were:

Levy of 1893	$51 27
" 1894	124 61
" 1895	2,850 01
" 1896	14,784 81
" 1897	50,426 74
	$68,237 44

Total City	$203,819 74
Total State	68,237 44
	$272,057 18

TABLE B.—*Twenty-first and Twenty-second Wards.*

Recapitulation of Taxes Collected from January 1, 1897, to December 31, 1897.

	Basis.	Rate.	Tax.	Discount.	Net Tax.	Interest.	Total.
1893.		60					
Real	$3,330		$19 98		$19 98	$3 62	$23 60
Personal	22,574		135 44		135 44	26 87	162 31
1894.		60					
Real	35,741		214 44		214 44	28 45	242 89
Personal	34,668		208 01		208 01	27 83	235 84
1895.		60					
Real	1,326,394		7,958 32		7,958 32	690 33	8,648 65
Personal	190,628		1,143 75		1,143 75	93 49	1,237 24
1896.		60					
Real	7,699,136		46,194 80		46,194 80	525 82	46,720 62
Personal	620,892		3,725 34		3,725 34	47 87	3,773 21
	$9,933,363		$59,600 08		$59,600 08	$1,444 28	$61,044 36
1897.							
Real	$17,603,149		$105,618 89	$2,138 33	$103,480 56		
Personal	4,267,125		25,602 68	625 02	24,977 66		
Gross Basis	$21,870,274		$131,221 57	$2,763 35	$128,458 22		
Net Basis	$21,409,706	60					$128,458 22
STOCKS AND BONDS.							
Gross Basis	$4,899,008	30	$14,697 00	$379 84	$14,317 16		
Net Basis	$4,772,390	30					$14,317 16
							$203,819 74

TABLE C.

Twenty-first and Twenty-second Wards.

Showing the Percentage Collected Upon the Present Basis from 1889 to 1897, inclusive, from the Dates of the Respective Levies to December 31, 1897.

Year.	Present Basis.	Basis Collected Upon.	Per Cent.	
1889	$22,400,840	$22,400,840	100.00	
1890	23,408,336	23,408,336	100.00	
1891	25,318,299	25,318,299	100.00	
1892	27,452,976	27,452,976	100.00	
1893	27,548,827	27,346,668	99.27	
1894	28,491,760	28,254,335	99.17	
1895	30,998,485	30,585,621	98.63	
1896	32,237,894	30,125,790	93.45	
1897	42,012,528	26,769,282	63.72 62.33	Gross. Net.

ANNUAL REPORT

—OF THE—

TRUSTEES OF THE POOR

OF THE CITY OF BALTIMORE,

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

TRUSTEES OF THE POOR.

ELISHA H. PERKINS, *President.*

JOSEPH GRAPE, *Secretary.*

MISS KATE M. McLANE.

MARY SHERWOOD, M.D.

JEFFREY R. BRACKETT.

HENRY STEFFENS.

ELISHA H. WALKER.

REPORT.

BALTIMORE, December 31, 1897.

To the Honorable Mayor and City Council of Baltimore:

GENTLEMEN: The Trustees beg leave to submit herewith their Second Annual Report.

CITY OFFICE.

APPLICATION BUREAU.

As stated in our last report, the plan inaugurated for careful consideration and investigation of all persons applying for aid at the city office of the Trustees of the Poor, has made it possible to treat each individual case in the manner best suited to his or her needs, and with just regard for the city's duty and the city's rights. Our office has during 1897 strengthened and extended its cordial relations with both public and private charitable agencies so that it can promptly secure for persons not properly charges on the corporation of the City of Baltimore, the aid or care available from such agencies as the several county and State authorities, the United States Marine Hospital, the United States Emigration Commissioner, and the many benevolent associations and institutions working for the relief of the sick and destitute. Pending investigation, applicants are always cared for, either at Bay View or a hospital or through some co-operating private agency.

HOSPITAL SUPERVISION.

In July, 1897, the Mayor and City Council wisely amended the Ordinance (No. 44), regulating the admission of city patients to the nine (9) hospitals having yearly contracts with the city for the

care of such of its indigent sick as are not sent to Bay View Hospital. This short amendment simply abrogated the power of the Police Magistrates (who are State officials) to issue hospital permits, and recognized the Trustees of the Poor as the city's responsible agent in relation to city hospital patients. A circular letter was sent to the hospitals, authorizing them to receive, at their discretion, accident and emergency cases applying directly to the hospital, and which, in their judgment, were proper charges on the city, on the condition that they should report within forty-eight (48) hours such cases to the office of the Trustees of the Poor, with application for a permit. Since the abolition of magistrates' permits, the city has gained financially. There has been a decrease in the number of hospital "beats" and "bums." Many of these hospital "beats" move from place to place with the avowed intention of living on the public without work, and under careless methods of administration, succeed in making hospitals their boarding houses. Throughout each month since magistrates' permits have been abolished, there have been a number of vacant city beds, not only at one or two, but at a majority of the hospitals receiving city appropriations; nevertheless, we feel justified in stating both from our own observations, and from the evidence of some of the officials in charge of the hospitals, that the new rule has worked no injustice to any man or woman fairly a city patient. More personal requests for hospital permits from self-respecting and needy cases have been received at our office, and we have had to investigate and reject for cause, a smaller proportion of requests from the hospitals themselves than under the old conditions; in fact, the application by the hospital authorities to city patients and city bills, of the same equitable rules which they apply to private hospital patients and bills has demonstrated that the level of sickness fluctuates among the indigent, as among the well-to-do, and that, except in periods of epidemic, there are more hospital beds available to the city than there are city patients to occupy them. The Trustees desire to express their appreciation of the courtesy which they and their representatives have received from hospital officials.

SHOWING AGGREGATE OF DAYS IN HOSPITALS WHEN BEDS WERE NOT FILLED AND SAVING TO CITY FROM HOSPITAL APPROPRIATIONS.

Month.	*Days not Paid for on Account of Vacant Beds.*	*Amount Saved to City.*
January	1,258	$273 01
February	521	222 93
March	902	416 78
April	1,883	874 23
May	1,954	907 23
June	2,015	935 53
July	1,950	907 63
August	2,343	1,108 73
September	1,971	914 90
October	2,545	1,188 12
November	2,407	1,116 34
December	2,293	1,064 69
Totals	22,042	$9,930 12

The one crying hospital need, which neither hospitals nor city will heed, is the lack of a hospital, or wards in hospitals, for contagious diseases. This demand, under present conditions, the Trustees of the Poor are as powerless as the Health Commissioner to meet, and yet, owing to the absence of any provision for the hospital care of contagious and infectious diseases, every year valuable lives and thousands of dollars are cruelly and recklessly sacrificed. The Trustees feel it their duty to emphasize the great suffering and loss that falls on the whole community as well as on many worthy poor citizens from the absence of any provision whatever for the care of infectious cases.

There is another small class of city patients, the violent and troublesome, often insane, who have to be cared for temporarily, but whom the hospitals do not receive. These should be provided for by some temporary house of detention in the city.

In the exercise of their discretion the Trustees, when issuing permits, have given the preference to those hospitals which are best equipped and most carefully administered, believing that the unfortunate city patients should receive, when sick, the best available care.

TRANSPORTATION OF THE POOR TO THEIR HOMES.

After a year's experience of the old methods of dispensing through the Mayor's office what was called the "Mayor's Trans-

portation Fund," His Honor Mayor Hooper transferred to the Trustees of the Poor the administration of this fund, which by city ordinance is specified as the "Fund for Transportation of the Poor to Their Homes." One year's experience with this branch of the city's work justifies the few business rules adopted for dealing with applicants for transportation at the city's expense. To avoid the encouragement of "tramping" and to prevent the dumping on other communities of persons who do not belong to those communities, only those applicants are sent to their declared homes who are proved to have work awaiting them there or friends or relatives willing to receive them, or who are found to be proper charges on those communities. In many cases, by negotiation or correspondence, we have secured from private sources a part or the whole of the money required for transportation, but in no instance have we been deterred by distance or expense from sending fit cases. In January, 1897, only the Pennsylvania and B. & O. R. R. Companies granted the city charity rates (one-half regular fare), and then only to main points, as New York, St. Louis and Chicago. During 1897 we arranged also with the Southern Railway Company and the Seaboard Air Line, and of these railroad systems several have kindly negotiated charity fares for us to remote points. Persons have been sent as far West as San Francisco and as far East as Germany. The majority of wanderers have been returned to homes in New York, Pennsylvania, Virginia and Maryland. Of four unfortunates returned to Europe by our office two were paid for by friends.

During the year we received and investigated 608 applicants; 201 were approved; of these 165 were paid for wholly by the city; 22 partly by city; 14 wholly by friends; money returned by beneficiaries, $120.35; total amount expended, $673.11; total amount appropriated, $800.00.

BAY VIEW ASYLUM.

ORGANIZATION.

After one year's experience in office the Trustees became convinced that the growth of the institution demanded some changes and increase in the official staff, and a careful rearrangement of departments and duties.

In the spring the Trustees unanimously elected as Superintendent Mr. Louis F. Zinkhan, for fifteen years the General Agent of the Prisoner's Aid Association, and favorably known in this city and throughout the State. Feeling that this office demanded, in a marked degree, particular fitness in its incumbent, the Trustees deem themselves fortunate in securing one whose previous training, temperament and executive ability, assure intelligent and effective service.

The position of head matron for the whole institution was created, with assistant matrons, styled Centre-House Matron and Insane Department Matron. The changes were satisfactory to all concerned and resulted beneficially.

The appointment of a graduate head nurse last year led to very careful consideration being given to the formation of a training school for nurses, but after consultation with competent authorities, and much thought, it was determined to use a certain number of graduate nurses in search of experience. Such persons will be given at the termination of their service, a suitable certificate setting forth the duration thereof. This arrangement goes formally into effect January 1.

A male supervisor of nine years' experience with care of insane was secured during the year in the insane department. A trained attendant has been put in charge of the imbecile children.

The special fitness of these few new officials was, in each case, carefully canvassed, and the greatly increased efficiency of the service has fully justified the care exercised. The Board has to deal with quite an extensive and complicated piece of machinery, and has endeavored to follow the principle of making changes only to increase efficiency of the service.

GENERAL ADMINISTRATION.

In placing greater responsibility upon its official staff during the year, the Board relieved itself of much detail hitherto very burdensome. It has, therefore, been more free to take up questions of improvement to the plant, and the bettering of the conditions of

living in the institution. The Board owes much to the suggestions of its officials in their several departments, and encourages such helpfulness, and in turn holds them responsible, through the Superintendent, for their respective departments.

OUT-DOOR WORK.

The Board continued with satisfaction the out-door employment of able-bodied male inmates, including a number of the insane, along the lines referred to in the last report. Owing to this, and to careful attention given to applicants for admission at the city office, there has been a sensible decrease in the winter population, particularly of transients.

DIET.

During the year the diet has received much attention, and improvement has been effected in both quality and suitability, but that of the insane department is not what it should be. To make it so would require much greater outlay.

The diet in public institutions should be so controlled as to secure at a minimum of cost, nourishment adequate to the needs of the various classes of inmates.

The sick and insane need a diet more carefully selected and more nourishing than should be given to the able-bodied or even to the aged. A study of the definite proportions of the various kinds of food and the per capita allowance at Bay View has brought out the fact that while the hospital inmates have been well fed, the insane, who should be at least as well nourished, have had diet insufficient according to good dietary standards.*

INSANE DEPARTMENT.

We give special prominence to this department, owing to the important discussion now going on relative to State care of the insane.

* Interesting light is shed on this whole subject by the report of the commission appointed by the Mayor of Boston to investigate the food of the public institutions. It is hoped that a more scientific application of the principles of nourishment may secure better results in this most important department of almshouse administration.

The Baltimore City Almshouse still shares with the county almshouses and jails of Maryland, the unenviable distinction of harboring a class of persons not legitimately the wards of an almshouse. We believe, and our opinion is based not only upon the experience and testimony of other cities, but upon our own observation and the study of the various problems of administration of the almshouse, that it is impossible to treat properly most cases of insanity under almshouse conditions.

There are at present at Bay View 419 inmates in the seven wards of the insane department. Of this number 108 are colored.

Several wards (of the insane department), notably several of the white male wards and the colored male and female wards are greatly overcrowded. In the dormitories of the latter wards there are 108 patients crowded into a space originally intended for 60, that is, each inmate has an allowance of about 640 cubic feet of air space instead of at least 1,000 cubic feet, as should be the case. In the white male ward the conditions are no better.

It is generally acknowledged that the most successful treatment of the insane demands strict attention to the best hygienic and sanitary conditions—nourishing food, warm clothing, employment and diversion. Unfortunately it is next to impossible to secure these means under almshouse conditions, where as a rule the insane are simply detained and maintained, rather than made the object of careful curative treatment.

The strong trend of the most advanced methods of treatment of insane is in the direction of State care. It is the unanimous opinion of the best alienists that all the insane in almshouses and jails should be transferred to State hospitals. Under a system of State care such as has been recently adopted by New York State, not only is it possible to offer every insane person a high standard of treatment and the best possible chance of recovery, but this is done at a much less cost on a large scale, than could be possible in a smaller institution. This system is an economic advantage when we consider the increased percentage of actual recovery. If we accept the estimate of Macdonald—that every insane dependent represents a pecuniary loss to the State of $400 for each year that he is a pub-

lic charge—it is certainly in the interest of the State that as many cases as possible be cured.

As Trustees of the Poor, we most earnestly advocate the removal of the insane from the city almshouse, believing that such a change would be not only for the best interest of the insane, but that it would in a measure simplify the problem of dealing with the dependent classes remaining in the institution.

IMBECILE CHILDREN.

Suitable temporary provision has been made during the past year for all imbecile children who have been consigned to the Almshouse, in isolated quarters in a small pavilion, supplied with the requisites for the proper physical care of these cases. We believe that these should also be included in the category of those for whom the State shoul deventually care.

PERMANENT IMPROVEMENTS.

By means of careful expenditure the Board has been able to effect some permanent additions to the plant.

Kitchens, Ice Plant, Cold Storage.

Several kitchens were scattered in widely separated rooms, difficult of supervision and involving much carrying to and fro. These have been consolidated in a new building specially adapted to the purpose and easy of access to the dining-rooms. The basement gives accommodation to an ice plant which will pay for itself in two years in the saving of the annual expenditure for ice, besides giving fine cold storage facilities in an adjoining room, while a third room serves as a milk room.

Drug Room.

A large room on the main floor has been subdivided. The drug room has been removed to one of the new rooms thus made, which is much better lighted and more central than the former room. The old room has been fitted up as another bed room, much needed on the male side of the house.

Male Dining Room.

Several partitions have been removed from adjoining rooms, enlarging the dining-room, so that the crowding of the corridors at meal time by those waiting their turn has been done away with; also another custom which had grown to undesirable proportions, the eating of meals in bed rooms.

Lavatory Annex.

On the female side of the building the commencement has been made towards placing the water-closets and bathing facilities in a separate structure, easily reached through the connecting corridors. This annex will be supplied with Gegenstrom baths and with water-closets of a pattern requiring very much less water than is required by those now in use.

This annex has been constructed only two stories high at present, with the hope of carrying it up the two additional stories in the near future, and also of duplicating the whole for the male side.

The lavatory is thoroughly heated and ventilated. When the old fixtures are removed from the rooms they now occupy in the hospital this space will be devoted to hospital needs.

Pavilion Ward for Imbecile Children.

Utilizing an unused one-story building of two rooms, an addition was erected which has provided at moderate cost a suitable ward for the imbecile children, already spoken of. The building can be put to good use for female seniles should the children be removed.

Hospital Improvements.

During the year the comfort of the sick has been improved by the addition of a large number of new iron bedsteads and woven wire mattresses. It is hoped, in time, to substitute these throughout the wards for the straw mattresses, which are unsanitary and uncomfortable. Most of the male consumptives have been isolated, as far as it is possible, without a separate building. As will be

seen from the report of our physicians, a separate building is recommended. Preparations are now being made for the erection of a Hospital Pavilion Ward for the chronic cases now in unsafe and unsuitable wooden buildings at too great a distance from the main buildings.

Sewerage Plant.

The disposal of the sewage of the institution has given the Trustees much concern. They found that for years it had been discharged over the surface to tide-water, a plan open to great objection and the cause of decided complaint. It was decided to experiment with a system of settlement tanks and filtration beds, with a possible addition of chemical precipitation. The extension of this system to all the buildings is very desirable.

NEEDED IMPROVEMENTS.

The Board feels that during the coming year attention must be given to other needed improvements. A lavatory annex should be provided on the male side of the house. Competent authority insists on the thorough overhauling of the steam-heating plant. The laundry is in bad shape. There is indeed no lack of work to be done along the line of improvement and betterment.

The Trustees appreciate highly the faithfulness and attention to duty displayed by the official staff of the institution. They desire also to bear testimony to the efficient labors of the Medical and Surgical Staff, both resident and visiting.

Respectfully submitted.

ELISHA H. PERKINS, *President.*
JOSEPH GRAPE, *Secretary.*
KATE M. McLANE.
MARY SHERWOOD, M. D.
JEFFREY R. BRACKETT.
HENRY STEFFENS.
ELISHA H. WALKER.

FINANCIAL STATEMENT.

Amount of appropriation for 1896		$105,000 00
Amount of appropriation drawn on warrants by Trustees of Poor	$104,970 95	
Amount of appropriation unexpended	29 05	
		$105,000 00

CLASSIFIED EXPENDITURES.

Maintenance—		
Provisions, general supplies, light and fuel, pay roll		$90,382 30
Repairs and Improvements—		
Lumber	$217 61	
Hardware	63 76	
Engineer's supplies	1,079 31	
Painting and repairs on main building (insane)	377 17	
New brick driveway	175 75	
Enlarging general dining-room, Almshouse	112 55	
		2,026 15
Special Improvements—		
New kitchen and equipment	2,195 95	
Ice plant and equipment	1,721 13	
Sewage, disposal plant	1,828 50	
Lavatory, with sanitary closets and sun-room, (female wing)	2,457 58	
Pavilion and equipment for imbecile children	663 83	
135 iron hospital beds and 313 spring beds	840 02	
New furniture, made necessary by improvements and extensions	472 43	
Five house telephones	50 00	
New fencing	204 23	
Material for new hospital	1,572 83	
Per diem, Board of Trustees		556 00
		$104,970 95
Amount of appropriation unexpended		29 05
		$105,000 00
Amounts received on following accounts, and paid to City Register, in compliance with City Ordinance—		
Board of students	$157 50	
Board of inmates	1,145 05	
Sale of old material	223 15	
		$1,525 70

TABLE SHOWING DIVISION OF DISBURSEMENTS.

Administration		$10.026 55
General house		28,074 53
Insane		26,141 12
Hospital		24,550 40
Farm		4,171 85
Total		$92,964 45
Less revenue returned to City Register		1,525 70
		91,438 75
Net cost per capita as to maintenance, including all departments, year 1897, 71.51\frac{4}{100}$; year 1896, 67.95\frac{79}{100}$.		
Special improvements		12,006 50
		$103,445 25
Gross cost per capita, 1897, 80.60\frac{90}{100}$; 1896, 71.51\frac{65}{100}$.		
Expended of appropriations	$104,970 95	
Less revenues returned to City Register	1,525 70	
		$103,445 25

REPORT AND TABULAR STATEMENT

—OF THE—

SUPERINTENDENT,

MARKED "A" TO "J."

FOR THE YEAR 1897.

ORGANIZATION.

BAY VIEW ASYLUM.

Superintendent,	LOUIS F. ZINKHAN.
Clerk and Purveyor,	JOHN E. DORSEY.
Head Matron,	MISS N. E. WORSLEY.
Centre-House Matron,	MRS. S. McCAHAN.
Head Nurse,	MISS ELEANORA MAYES.
Apothecary,	A. W. McGLANNAN, PH. D.
Engineer,	JAMES J. FARRELL.
Assistant Engineer,	WILLIAM H. STEVENS.
Farmer and Gardener,	WILLIAM T. REESE.
Messenger,	THOMAS CONNORS.
Baker,	CHARLES JONES.
Supervisor—Insane Dep't,	JAMES V. HUNT.
Assistant Supervisor—Insane Dep't,	LOUIS WINKLER.
Matron—Insane Dep't,	MRS. EMMA GREENFIELD.

CITY OFFICE.

City Hall Annex,

North Gay Street, between Lexington and Saratoga.

Permit Clerk,	LORENZO B. GOUGH.
Assistant Clerk,	MRS. E. DUVALL.

REPORT OF THE SUPERINTENDENT.

BAY VIEW ASYLUM, December 31, 1897.

To the President and Board of Trustees of the Poor:

Bay View Asylum has taken care of 3,038 people during some part of the year. The whole number of admissions for the year was 1,671. Of these, 245 were readmissions. The smallest number present at any one time was 1,147, on the 10th day of June, and the largest number was 1,497, on the 8th day of February. The daily average has been $1,278\frac{8}{12}$, as against $1,375\frac{6}{12}$ for the year 1896, showing a decrease of $97\frac{10}{12}$ in the daily average. During the year 1896 the total number of admissions was 5,324, as against the 1,671 in 1897. The decrease in the population was confined to the white men. The daily average of these for 1897 was 123 less than in 1896.

The average of white women was increased by 14; of colored men by 6, and of colored women by $6\frac{1}{2}$.

The tables herewith submitted show some interesting contrasts between the years 1896 and 1897. One of these is that in the latter year the number of foreigners admitted was 563 as against 2,401 in 1896. As to natives, 1,108 were admitted in 1897, as against 2,923 in 1896. The most marked decrease was in the number of transients and vagrants. This favorable showing must be attributed to the careful investigation of cases before admits are issued, and it shows that many of the shiftless class are able to find other means of sustenance when compelled to do so. They suffer no hardships by being turned away, but are thereby only pushed to seek the work they are able to do and which they have been seeking to evade.

There has been an increase in the number of chronics and also of hospital cases. Of the latter kind the increase in phthisical

cases is most marked. Our male hospital wards are taxed to the utmost during the winter months, and to secure the needed relief it will be imperative to provide other quarters for the consumptives.

In 1897 we received 192 persons as vagrants or beggars, committed by magistrates. This is 71 more than were committed the preceding year. Many of this class need the permanent care and protection of the almshouse, not only to prevent street begging, but to prevent exposure and neglect, and in some cases drunkenness. Under the law these persons can only be committed for a first offence and for a period not exceeding two months. Numbers of these are chronic beggars, who anxiously await the day of discharge to ply their trade. Many are not fit to be at large, nor are proper subjects for a prison, on account of age and infirmity.

It has been apparent that there was necessity for better and closer classification of inmates in all departments. Progress has been made along these lines, but the solution has been most difficult in the insane department on account of lack of room and structural defects in the wards.

The general improvements made during the past year have been excellent, and others planned are just as important. It is to be hoped especially that during the coming year there may be an extension of the sun parlors and lavatories for all the hospital wards.

The official force of the institution is small and much responsible work falls upon the inmate help. To improve the efficiency of the service we shall soon need a few additional officers of good character, judgment and experience to direct the work of some of the departments.

There are now less able-bodied men and women in the asylum than formerly, but all those who are able to do anything are kept at some kind of work, and more than one-half of the inmates are employed daily. Many of them are assigned to their trades and do much constructive and repair work about the institution ; indeed, most of our improvements are made by inmate labor. Much work has been done in carpenterlng, pipe-fitting, brick-laying, whitewashing, grading, farming, butchering, tailoring and shoemaking.

Our agricultural work is not extensive, but fairly successful. Our small farm has yielded good average crops, and has provided

healthy out-door exercise. We have a fine herd of 35 cows, producing 100 gallons of milk a day, which is an extraordinary average. This is sufficient to supply every department adequately with the very finest milk. We have also raised a number of pigs.

Our sewing department is divided into two sections. In the one we manufactured 10,025 new pieces for the use of the institution during the year; in another all the patching and mending was done.

I have accompanied my report to you with statistical tables from A to J, covering the year 1897, with a comparison column for the year 1896.

I wish to thank the chaplains, both Protestant and Roman Catholic, for their religious services and attentions to the sick, and also to thank the various societies and guilds which have been so energetic and devoted in ministering to the comfort of the inmates with kind words, good literature and occasional donations of refreshments. We are also indebted to the Enoch Pratt Free Library for a large donation of excellent books and periodicals.

I wish, in closing, to acknowledge the helpful and encouraging influence and support of the Trustees.

Very respectfully,

LOUIS F. ZINKHAN, *Superintendent.*

TABLE A.

Showing the Number of Persons Admitted, Born, Died, Discharged Escaped, etc., the Number Remaining at the End of Each Month, and a Comparison with 1896.

1897.	Admitted.		Born.		Died.		Discharged.		Escaped from B. V. A.		Granted passes; did not return.		Remaining.	
	1897	1896	1897	1896	1897	1896	1897	1896	1897	1896	1897	1896	1897	1896
Jan ...	192	1061	2	1	18	19	51	944	5	12	8	20	1479	1704
Feb ...	151	1425	1	....	22	17	119	1156	3	6	10	22	1477	1928
Mar....	114	1202	....	1	17	23	185	1561	5	11	12	28	1372	1508
Apr ...	114	228	3	1	21	27	170	375	4	9	13	29	1281	1297
May ...	117	134	.....	.....	16	16	219	253	2	5	10	22	1151	1135
June ..	127	181	2	....	15	21	77	113	4	7	8	18	1176	1157
July ...	143	209	2	....	19	23	83	116	9	3	8	11	1202	1213
Aug ...	122	182	1	....	12	23	95	133	4	8	11	23	1203	1208
Sept ...	135	193	....	1	21	24	79	99	5	13	7	16	1226	1250
Oct	110	152	2	....	25	17	83	105	3	9	10	14	1217	1257
Nov....	146	155	.....	.....	15	13	65	80	2	11	8	6	1273	1302
Dec ...	185	196	2	2	16	18	97	93	1	8	4	14	1342	1367
To'ls.	1656	5318	15	6	217	241	1323	5028	47	102	109	223	....	...

	1897.	1897.	1896.	1896.
In the Asylum December 31.....	1367	.....	1637	.....
Total ingress (inc. readmissions)....	1671	.....	5324	.....
		3038		6961
Total egress.....	.....	1696	.....	5594
In the Asylum December 31, 1897...	.....	1342	.....	1367

SUPPLEMENT TO STATEMENT A.

Showing the Number of Single Admissions, Readmissions, etc., from January 1, 1897 to December 31, 1897.

	1897.	1896.
Single admissions.....	1426	3960
Readmissions	245	1364
Totals.....	1671	5324

164 admitted to Asylum.....	2	times.
31 " "	3	"
1 " "	4	"
4 " "	5	"

TABLE B.

Showing the Birth-place of Persons Admitted to the Almshouse from January 1, 1897, to December 31, 1897, inclusive, also a comparison with 1896.

NATIVES.	1897.	1896.	FOREIGNERS.	1897.	1896.
Baltimore	523	1,044	Ireland	234	1,344
Maryland	196	360	Germany	203	506
New York	49	388	England	39	216
Pennsylvania	72	307	Scotland	13	122
Virginia	102	204	Sweden	5	35
Massachusetts	18	117	Poland	10	26
New Jersey	11	78	Denmark	1	22
District of Columbia	18	63	France	10	20
Ohio	14	45	Austria	8	17
Illinois	2	39	Canada	4	16
Connecticut	5	38	Switzerland	3	13
North Carolina	18	28	Norway		10
California	1	12	Russia	13	9
Rhode Island	1	12	West Indies	1	9
Florida		10	Wales		6
Michigan	2	9	New South Wales		4
Tennessee	3	8	Australia	1	4
Vermont	3	8	South America		3
Maine	1	8	Italy	8	3
Iowa		8	Finland	2	3
Wisconsin	2	5	Nova Scotia		3
Minnesota		3	China		2
Alabama	1	3	Belgium	1	2
West Virginia		2	Turkey		2
New Hampshire		2	East Indies		1
Arkansas		2	Africa		1
Dakota		1	British Columbia		1
Colorado		1	Holland		1
Texas		1	Cuba	4	
Indiana	1	1	Spain	1	
Indian Territory	1		Greece	1	
Delaware	9	22	Nova Scotia	1	
Missouri	4	17			
Kentucky	4	14		563	2,401
Georgia	4	14			
Louisiana	4	13			
South Carolina	11	13			
Mississippi	1				
Alms House	15	6	Foreigners	563	2,401
Unknown	12	17	Natives	1,108	2,923
	1,108	2,923	Totals	1,671	5,324

TABLE C.

Showing the Ages of Persons Admitted to the Almshouse from January 1, 1897, to December 31, 1897, inclusive, also Comparison with 1896.

	1897.	1896.
Under 1 year	3	5
From 1 year to 10 years	2	6
" 10 " " 20 "	52	112
" 20 " " 30 "	223	1,176
" 30 " " 40 "	295	1,563
" 40 " " 50 "	394	1,198
" 50 " " 60 "	312	703
" 60 " " 70 "	229	416
" 70 " " 80 "	116	98
" 80 " " 90 "	21	20
" 90 " " 100 "	2	2
" 100 " " 105 "	.....	2
Unknown	7	17
Born in Almshouse	15	6
Totals	1,671	5,324

TABLE D.

Showing the Period of Residence in the City of All Persons Admitted to Almshouse from January 1, 1897, to December 31, 1897, inclusive, also Comparison with 1896.

	1897.	1896.
Born in Baltimore	523	1,044
Less than one week	76	78
One week and less than one month	32	51
One month and less than three	38	75
Three months and less than six	35	107
Six months and less than twelve	38	148
One year and less than two	18	129
Over two years	886	3,669
Unknown	20	18
Born in Almshouse	15	6
	1,671	5,243

TABLE E.

Showing the Habits of Persons Admitted to the Almshouse from January 1, 1897, to December 31, 1897, also a Comparison with 1896.

	1897.	1896.
Intemperate adults	1,252	4,616
Temperate adults	394	685
Children of intemperate parents	3	5
Children of temperate parents	15	11
Unknown	7	7
	1,671	5,324

TABLE F.

Showing Daily and Monthly Averages of Persons Remaining in Almshouse from January 1, 1897, to December 31, 1897; also a Comparison of Averages with 1896.

1897.	White.			Colored.			Total Daily Averages.		Where from				Totals.	
									Natives of City and one year's residence.		Elsewhere.			
	Men.	Women.	Children.	Men.	Women.	Children.	1897.	1896.	1897.	1896.	1897.	1896.	1897.	1896.
January	775	375	15	122	121	3	1,411	1,709	1,208	1,244	203	465	1,411	1,709
February	833	376	15	135	119	2	1,480	1,779	1,274	1,230	206	549	1,480	1,779
March	788	378	14	131	120	2	1,433	1,817	1,227	1,271	206	546	1,433	1,817
April	682	369	14	129	117	3	1,314	1,381	1,106	1,056	208	325	1,314	1,381
May	594	362	13	116	119	3	1,207	1,210	998	992	209	218	1,207	1,210
June	555	375	11	100	118	2	1,161	1,146	952	940	209	206	1,161	1,146
July	578	380	10	101	118	4	1,191	1,190	980	960	211	230	1,191	1,190
August	576	388	10	103	120	3	1,200	1,205	987	1,001	213	204	1,200	1,205
September	578	388	9	105	118	1	1,199	1,227	977	1,020	222	207	1,199	1,227
October	596	392	9	104	114	1	1,216	1,245	981	1,040	235	205	1,216	1,245
November	629	391	8	105	112	1	1,246	1,274	1,009	1,080	237	194	1,246	1,274
December	656	395	9	109	116	1	1,286	1,335	1,040	1,130	246	205	1,286	1,335
Totals	7,840	4,569	137	1,360	1,412	26	15,344	16,518	12,739	12,964	2,605	3,554	15,344	16,518
Monthly averagings, 1897.	$653\frac{4}{12}$	$380\frac{9}{12}$	$11\frac{5}{12}$	$113\frac{4}{12}$	$117\frac{8}{12}$	$2\frac{2}{12}$	$1,278\frac{8}{12}$	.....	$1,061\frac{7}{12}$		$217\frac{1}{12}$	.....	$1,278\frac{8}{12}$	.....
Monthly averagings, 1896.	$776\frac{1}{12}$	$366\frac{7}{12}$	$12\frac{7}{12}$	$107\frac{2}{12}$	$111\frac{3}{12}$	$2\frac{10}{12}$	.....	$1,376\frac{6}{12}$	.....	$1,080\frac{4}{12}$	.....	$296\frac{2}{12}$	.....	$1,376\frac{6}{12}$

TABLE G.

Showing the Number of Persons Committed to the Almshouse by Magistrates, and their Age, Sex, Color and Period of Commitment, from January 1, 1897, to December 31, 1897, inclusive; also a comparison with 1896.

1897.	Sex and Age.					Period of Commitment.				
	White Males, 15 yrs. and over.	White Females, 24 yrs. and over.	Colored Males, 19 yrs. and over.	Colored Females, 16 yrs. and over.	Totals.	Thirty Days.	Two Months.	Three to Six Months.	Six Months and over.	Totals.
January	3	4	1	1	9	.....	6	3	.....	9
February	9	3	2	.....	14	.....	14	.....	.....	14
March	3	2	2	.....	7	.....	7	.....	.....	7
April	9	3	4	1	17	1	16	.....	.....	17
May	12	2	4	.....	18	.....	18	.....	.....	18
June	10	7	4	1	22	1	21	.....	.....	22
July	7	5	3	2	17	.....	17	.....	.....	17
August	10	3	4	1	18	.....	18	.....	.....	18
September	10	8	1	1	20	.....	20	.....	.....	20
October	12	2	.....	1	15	1	14	.....	.....	15
November	14	1	3	1	19	1	17	1	.....	19
December	7	6	2	1	16	.....	16	.....	.....	16
Totals, 1897	106	46	30	10	192	4	184	4	.....	192
Totals, 1896	71	17	28	5	121	2	33	49	37	121

TABLE H.

Showing the Birthplace of Persons Committed to the Almshouse as Vagrants, &c., by Magistrates from January 1, 1897, to December 31, 1897, Inclusive; also a Comparison with 1896.

Natives.	1897.	1896.	Foreigners.	1897.	1896.
Baltimore	54	33	Germany	22	25
Maryland	30	17	Ireland	22	9
Virginia	11	12	England	4	2
Pennsylvania	14	3	France		1
District of Columbia	2	2	Denmark		1
Connecticut		1	Australia		1
Massachusetts	1	1	South America		1
Delaware	1	1	Poland	1	1
Tennessee		1	South Wales		1
New Hampshire		1	Austria	2	
Wisconsin		1	Italy	3	
Illinois		1	Finland	1	
Colorado		1	Scotland	1	
New York	7	2	Belgium	1	
West Virginia		1	Canada	1	
Louisiana	2		Russia	1	
New Jersey	2		Switzerland	1	
Ohio	3			60	42
Alabama	1				
South Carolina	3		Foreigners	60	42
Unknown	1		Natives	132	79
	132	79	Totals	192	121

TABLE I.

Showing the Number of Births and Deaths in each Month, and the Sex and Color, from January 1, 1897, to December 31, 1897, also a comparison with 1896.

1897.	Births.					Deaths.				Deaths Child'n		
	White Males.	White Females.	Clored Males.	Col'd Females.	Total.	White Males.	White Females.	Col'd Males.	Col'd Females.	White.	Colored.	Totals.
January	1	1	....	....	2	4	5	4	5	....	....	18
February	1	....	....	....	1	6	10	4	1	....	1	22
March	....	....	....	....	....	8	3	3	3	....	....	17
April	1	....	1	1	3	11	1	8	1	....	....	21
May	....	....	....	....	....	6	3	7	....	....	....	16
June	....	....	2	....	2	9	3	3	1	....	....	16
July	....	....	1	1	2	4	5	4	5	....	....	18
August	....	....	....	1	1	5	3	4	....	....	....	12
September	....	....	....	....	....	9	6	4	2	....	....	21
October	1	1	....	....	2	7	4	7	7	....	....	25
November	....	....	....	....	....	6	1	5	3	....	....	15
December	2	....	....	....	2	6	5	4	1	....	....	16
Totals 1896	6	2	4	3	15	81	49	57	29	....	1	217
Totals 1896	1	2	2	1	6	106	43	51	38	2	1	241

TABLE J.

Showing Products of Farm and Sales Therefrom.

Purchased.	Farm.	Credit.	
78 bchs.....	6,472 bchs.	parsley at 8 cts. per doz.....	$64 72
58 "	1,411 "	beets " 4 " " bch.....	56 44
	2,509 "	leeks " 8 " " doz.....	16 72
	1,640 "	sage " 2 " " bch.....	32 80
	2,640 "	celery " 5 " " "	132 00
	11,950 "	spring onions at 1 ct. per bch...	119 50
903 bchs....	2,163 "	radishes " 1 " " " ...	21 63
	1,585 doz.	corn at 10 cts. per doz.....	158 50
	75 "	red peppers at 8 cts. per doz.....	6 00
2 bus...	343 bus.	string beans " 30 "	102 90
	120 "	lima " " 60 "	72 00
26 " ..	1,240 "	tomatoes " 50 "	620 00
8 " ..	300 "	onions " 70 "	210 00
6 " ...	390 "	turnips " 25 "	97 50
4,127 " ..	472 "	potatoes " 75 "	354 00
	95 "	carrots " 50 "	47 50
8 " ..	40 "	parsnips " 40 "	16 00
	334 "	sprouts " 25 "	83 50
13 " ..	44 "	peas " 60 "	26 40
	2,575 bchs.	thyme " 1 "	25 75
500 heads...	1,848 hds.	lettuce " 3 "	55 40
150 " ...	12,886 "	cabbage " 3 "	386 58
	37,535 gals.	milk " 15 "	5,630 25
	15 tons	hay " $12	180 00
	3 "	straw " $ 8	24 00
	28,515 lbs.	pork " 4 cts.	1,140 60
	390 doz.	eggs " 15 "	5850
			$9,739 19

Farm.	Debtor.	
To salaries		$736 50
" exchange of cows during the year		262 50
" feed for stock.....		3,172 85
" shoeing, smithing.....		
" seeds, implements and general repairs		
		$4,171 85
To balance		5,567 34
		$9,739 19

REPORT

—— OF THE ——

Medical and Surgical Department.

MEDICAL AND SURGICAL DEPARTMENT.

RESIDENT PHYSICIANS:

A. S. HOTALING, M.D. LEE COHEN, M.D.

ASSISTANT RESIDENT PHYSICIANS:

W. H. VINAL, M.D. H. T. BATTS, M.D.

VISITING STAFF.

PHYSICIANS:

THOMAS S. LATIMER, M.D. JOSEPH T. SMITH, M.D.
C. HAMPSON JONES, M.D. WILLIAM B. CANFIELD, M.D.
JULIUS FRIEDENWALD, M.D. T. W. CLARK, M.D.
H. H. HAYDEN, M.D. JOSEPH E. GICHNER, M.D.
C. F. BLAKE, M.D.

SURGEONS:

CHARLES F. BEVAN, M.D. J. HOLMES SMITH, M.D.
J. W. CHAMBERS, M.D. JOHN G. JAY, M.D.
HARRY FRIEDENWALD, M.D. I. R. TRIMBLE, M.D.
WILLIAM F. SMITH, M.D. FRANK MARTIN, M.D.
W. S. GARDNER, M.D.
S. McCLEARY, M.D.

NEUROLOGISTS:

GEORGE J. PRESTON, M.D. H. J. BERKLEY, M.D.

GYNECOLOGIST:

THOMAS OPIE, M.D.

OBSTRETRICIAN:

L. E. NEALE, M.D.

PATHOLOGISTS:

N. G. KIERLE, M.D. CASPER O. MILLER, M.D.

REPORT OF RESIDENT PHYSICIANS.

BAY VIEW ASYLUM, December 31, 1897.

To the President and Board of Trustees of the Poor:

LADIES AND GENTLEMEN: We have the honor to submit our Annual Report of the diseases treated in the hospital wards of Bay View Asylum for the year ending December 31, 1897.

By the annexed tabular statement it will be seen that there were under treatment, December 31, 1896, six hundred and seven (607) cases; and that there were admitted from January 1, 1897, to December 31, 1897, three thousand seven hundred and twelve (3,712) cases, making a total of four thousand three hundred and nineteen (4,319) cases treated.

Of this number there were cured one thousand seven hundred and twenty-one (1,721); improved, six hundred and thirty-seven (637); unimproved, three hundred and sixty-four (364); died, one hundred and ninety-three (193); and remaining under treatment December 31, 1897, seven hundred and ninety-seven (797).

It is obvious that the cases remaining under treatment exceed the capacity of our hospital wards.

This is accounted for by the fact that many cases, though not in the hospital, are still under medical supervision in the chronic, and receiving wards, and sleeping-rooms.

Many of the patients have been in the hospital several times during the year, some being treated for more than one disease. The nature of our report makes it impossible to record such cases as one.

In our report last year we called the Board's attention to the necessity of a separate building for the isolation of tubercular cases. That necessity still exists. The number of tubercular patients entering the institution and the mortality is steadily

increasing. Several patients who in previous years have been treated for pneumonia and acute bronchitis, have re-entered the institution with phthisis pulmonalis, undoubtedly contracted here. We cannot too strongly urge that improvements be made along this line. At present the segregation of tubercular patients is as complete as possible under existing conditions.

To the visiting staff of medical officers, we are under many obligations. We are

Very respectfully,

(Signed): A. S. HOTALING,
LEE COHEN.

MEDICAL AND SURGICAL STATISTICS.

MEDICAL DISEASES.

Classified according to the nomenclature as published by the Royal College of London and American Medical Association.

Diseases.	Treated.	Discharged.				Remaining December 31, 1996.
		Cured.	Improved.	Unimproved.	Died.	
General Diseases.						
A.						
Anemia, secondary	37	33	4			
Erysipelas, facial	6	6				
" leg	2	2				
Fevers, malarial						
" quotidian	11	11				
" tertion	41	41				
" quartan	5	5				
" aestivo autuminal	25	15	7			3
" remittent	4	4				
" typhoid	4	3			1	
Strumous diathesis	1		1			
Addison's disease	1				1	
Acute miliary tuberculosis					1	
B.						
Malarial cachexia	27	22	5			
Alcoholism	68	68				
Colica pictonum	1	1				
Delirium tremens	10	9			1	
Insulation	1	1				
Malingering	38			38		
Opium habit	4			4		4
Opium poison	3	3				

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Rheumatism, acute-articular	9	9				
" chronic	88		59	9		20
" intercostal	1	1				
" gonorrheal	2	2				
" sub-acute	12	7	2			3
Senility	55			11	6	38
Diseases of the Circulatory System.						
Nævus of lips	1	1				
Aneurism aortic	2				1	1
" carotid	2					2
Apoplexy	6				6	
Arterio, sclerosis	22			14	5	4
Endocarditis, acute	1	1				
Heart, aortic stenosis	42		18	8	7	9
" " regurgitation	27		17	2	5	3
" mitral stenosis	9		3	1	2	3
" regurgitation	56		26	14	4	12
" tricuspid regurgitation	1				1	
Pericarditis, acute	1		1			
" chronic adhesive	1				1	
Diseases of the Respiratory System.						
Asthma	6		4			2
Bronchitis, acute	44	39				5
Bronchitis, sub-acute	33	8	5	3		17
" capillary	1	1				
" chronic	55		31	14		10
Coryza, acute	62	53				9
Emphysema	38		15	4	1	18
Empyema	1				1	
Hemorrhage of lung	18	16			2	
Influenza	11	11				
Laryngitis, sub-acute	13	13				
" chronic	7		7			
" syphilitic	13	7	6			1
" tubercular	17			14		3
Nasal polypi	5	4	1			

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Oedema of lung	1				1	
Pleurisy, acute	11	11				
" chronic	15		8	2		5
Pneumonia, catarrhal	2				2	
" lobar	5	3			2	
" hypostatic	7				7	
Phthisis, pulmonalis	170		47	24	66	33
" florida	4				3	1
Phinitis, atrophic	8		2	3		3
" hypertrophic	12	4	3			5
" syphilitic	5		5			
Diseases of the Digestive System.						
Atonic dyspepsia	2	2				
Calculi, hepatic	3		2			1
Cholera morbus	14	14				
Cirrhosis of liver	9		1	6	1	1
Tuberculosis of liver	1				1	
Chronic constipation	105	2	62			41
Diarrhoea, acute	47	46				1
" chronic	25		5	14	2	4
" tubercular	38		23	9		6
Dysentery, acute	7	7				
Enteralgia	4	4				
Entero-colitis	1	1				
Intestinal tuberculosis	1				1	
Fecal impaction	3	3				
Gastrectasis	6		3	1		2
Gastritis, acute	8	5				3
" sub-acute	5	3	1			1
" chronic	8		6	2		
Gastro-enteritis	1	1				
Jaundice, catarrhal	3	2				1
Peritonitis						
" tubercular	5		1	1	3	
Stomatitis, aphthae	8	8				
" ulcerative	2	2				
Taenia, solium	3	2	1			
Carcinoma, stomach	2			1	1	

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Ulcer of stomach	1	1				
Nervous, anacidity	2	1		1		
Diseases of the Fauces and Palate.						
Catarrh, post-nasal	4	1	2	1		
Pharyngitis, acute	41	34				7
" chronic	5		3			2
Tonsillitis, simple	34	34				
" follicular	9	9				
Diseases of the Cutaneous System.						
Alopecia, areata	1	1				
Dermatitis, medicamentosa	10	10				
" rhus	3	3				
Eczema, acute	2	2				
" chronic	21	1	12			8
Herpes, zoster	6	3				
Pediculosis, capitis	55	55				
" coporis	34	34				
" pubis	27	27				
Psoriasis, specific	1					1
" vulgaris	3		2			1
Scabies	8	8				
Tinea, sycosis	2	2				
" tonsurans	1	1				
" favosa	1	1				
Urticaria	16	16				
Purpura, simplex	1	1				
Leucodera	1			1		
Diseases of the Urinary System.						
Cystitis, acute	10	9				1
" chronic	35		21	4		10
Calculi, renal	1				1	
Oxaluria	11	10	1			
Diabetes, insipidus	1					1
" mellitus	3		1		1	1

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Nephritis, acute	4		1		2	1
" chronic interstitial	66		23	11	16	16
" parenchymatous	28		11	4	11	2
" tubercular	2				2	
Amyloid, kidney	1				1	
Pyelitis	5	1	1	1	1	1
Pyelo-nephritis	3				3	
Uraemic, coma	1				1	
" toxemia	5	5				
Diseases of the Ear.						
Cerumen, impacted	16	16				
Otitis, externa	3	2				1
" media catarrhal	1	1				
Chronic Adhesive Aural Catarrh	3			1		2
Otitis, media purulent	5	1	3			1
Diseases of the Eye.						
Blepharitis marginalis	6	4				2
Cataract	18	9		2		7
Corneal ulcer	5	3				2
Opthalmia gonorrheal	1	1				
Conjunctivitis simple	17	14				3
" purulent	4	4				
Dacryocystitis	3	3				
Ectropion	2	1				1
Entropion	1	1				
Glaucoma	2					2
Iritis	9	5	3			1
Keratitis	2	2				
Optic Atrophy	1					1
Pannus	3	3				
Pterygium	1	1				
Retinitis pigmentosa	1					1
Staphyloma	1			1		
Trachoma	3	3				
Trichiasis	11	8				3
Chorvisal atrophy	1			1		
Enucleation	1	1				

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Diseases of the Nervous System.						
Athetosis	1					1
Aphasia	7			2		5
Cerebral abscess	1				1	
Cerebral concusssion	2	1				1
" embolism	1					1
" tumor	1					1
Cephalgia	76	76				
Chorea	3					3
Catalepsy	1					1
Dementia, senile	9					9
Epilepsy	34		7			27
" Jacksonian	1					1
Epilepticus, status	1		1			
Gastralgia	8	5	3			
General motor and sensory anasthesia	1			1		
Hemiparesis	1			1		
Hemiplegia	65		5	8	3	49
Hypochondriasis	2		2			
Hydrocephalus	2			1	1	
Hysteria	9		3	1		5
Imbecility	15					15
Lumbago	45	45				
Melancholia	5			3		2
Migraine	3	3				
Monoplegia	3					3
Myelitis, transverse	16			6	1	9
Neuralgia, facial	15	9	6			
" intercostal	7	3	3			1
Neurasthenia	7		2	1		4
Neuritis, simple	2	1		1		
" multiple	3		2	1		
" traumatic	2	2				
Polio, myelitis anterior	1				1	
Paralysis, aigitans	1					1
" Bells	1		1			
" bulbar	1				1	
" crutch	3	3				
" pressure	2			2		

MEDICAL DISEASES—Concluded.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Progressive muscular atrophy, spinal	3				1	2
Pott's diseases	1					1
Sciatica	3	1	1			1
Sclerosis, lateral	2		1			1
" multiple	1			1		
" postero-spinal	7			2		5
Diseases of Women.						
Amenorrhea	17	9	4	1		3
Cystocele	1					1
Cervix, laceration of	9	3	2	2		2
Dysmenorrhea	17	3	6	1		7
Endocervicitis	15		12			3
Endometritis	15		8			7
Hypertrophy of labia	5			5		
Hysterorraphy	3	3				
Menorrhagia	11	1		8		2
Metrorrhagia	1					1
Mastitis	2	1				1
Par Ovarian Cyst	3	1		1		1
Oophorectomy	2	2				
Papilloma Vulvae	4	4				
Perineorrhaphy	6	3		1		2
Pruritus Vulvae	6	1	2	1		2
Rectocele	3			1		2
Recto-Vaginal fistula	1					1
Salpingitis	1	1				
Urethra, caruncle	4	4				
" lacerated	3					3
Uterus, anteflection	3		1	2		
" anteversion	2		1	1		
" fibroid of	11			10		1
" polypus of	3	3				
" procidentia of	3			1		2
" retroflexion of	12	5		3		4
" retroversion of	2	2				
Vagina, prolapse of	2	1				1
Vaginitis, simple	2	2				
" specific	20	11	4			5
Total medical diseases	2653	1073	545	295	184	556

SURGICAL DISEASES.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Appendicitis	2	1				
Burns of arm	5	3				2
" of face	5	5				
" of hand	2	2				
" of leg	3	3				
" of body	1	1				
Dislocation of clavicle	3	2				1
" of carpus	1	1				
" of hip	2	1		1		
" of jaw	1	1				
" of tarsus	2	2				
" of shoulder	2	2				
Fracture of fibula	3	3				
" of femur (neck)	7		1	3		3
" of lower $\frac{1}{3}$ vs	1	1				
" of Patella	1					1
" of Potts	1	1				
" of finger	3	3				
" of humerus	2	2				
" of toe	2	2				
" of ribs	6	4				2
" of radius (Colles)	5	5				
" of tibia	3	3				
" of ulna	3	1				2
Frostbite	15	15				
Oyster Hand	75	55				20
Sprain of Ankle	7	7		7		
" " Wrist	1	1				
Wounds, contused	19	19				
" incised	17	14				3
" lacerated	20	17				3
" punctured	2	2				
Venereal Diseases.						
Adenitis Ing	24	17				7
Balanitis	4	4				
Chancroid, simple	34	23				8
" phagedenic	4	4				
Epididymitis	7	7				

SURGICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Gonorrhœa	29	26				3
Hypospadias	3		1			2
Orchitis	6	6				
Phimosis	14	14				
Para-phimosis	5	5				
Stricture, urethral	29	8	15			4
Syphilis, primary	1		1			
" secondary	30		17	11		2
" tertiary	67		26	7		34
Warts, venereal	21	21				
Unclassified.						
Abscess of arm	1	1				
" axillary	1	1				
" antrum	1		1			
" buccal	10	8				2
" chest wall	2	1		1		
" foot	3	2				1
" hand	3	3				
" iliac	3	2				1
" ichio-rectal	2	2				
" labia	3	1	1			1
" knee	1	1				
Abscess peri-rectal	2	2				
" tubercular	1			1		
Anchylosis of hip	2			2		
" knee	2		2			1
Fibroma of knee	1	1				
Adenitis, cervical	3	2				1
Amputation of finger	5	4				1
" leg	1	1				
Amputation of prepuce	4	4				
Arthritis deformans	4			2		2
Castration	2	3				
Carcinoma of face	1					1
" " penis	2	2				
" " stomach	1				1	
" " rectum	1				1	
" " tongue	2				1	1

SURGICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Carcinoma of uterus	2				1	1
Cystotomy perineal	1				1	
Caries of ilium	1					1
Carbuncle	18	17				1
Cyst sebaceous	9	7				2
Cellulitis of hand	15	9				6
" " leg	2	1				1
" " foot	2	2				
Coxalgia	1				1	
Elephantiasis of leg	1			1		
Epithelioma of face	1	1				
Fistula in ano	3	2				1
" " vesicle	1				1	
Furunculosis	78	78				
Gangrene of penis	1	1				
Gumma of tibia	3		3			
" of palate	1	1				
Hemorrhoids, external	46	9	10	4		23
" internal	16	6	1	2		7
Hernia, inguinal	11	3		1		7
" femoral	1	1				
" strangulated	2	1				
" umbilical	1					
" ventral	4			3		1
Hydrocele	5	1		2		2
Hematoma of leg	1	1				
Kyphosis	3			1		2
Lipoma	1	1				
Lymphangitis	1	1				
Nephrectomy	1	1				
Necrosis of fibula	1			1		
" of femur	1			1		
" of lower jaw	2	2				
" of nasal	2	2				
Necrosis, of tibia	1			1		
Osteitis femur	1		1			
Osteo-myelitis	2	2				
Prolapsus of rectum	1	1				
Prostatic hypertrophy	42			7		35
Sarcoma, neck	1				1	

SURGICAL DISEASES—Concluded.

Diseases.	Treated.	Discharged.				Remaining December 31, 1897.
		Cured.	Improved.	Unimproved.	Died.	
Sarcoma of testicle	1	1				
Synovitis	3	3				
Spermatorrhœa	1		1			
Senile gangrene	1					1
Skin grafting	5	4		1		
Synovitis, simple	2	2				
Tubercular glands	3	3				
Ulcer of foot (perforating)	1					1
Ulcer of leg	67	28	4	13		22
Varicocle	13	2	3			8
Varix	17		6	2		9
Total surgical diseases	1059	648	92	69	9	241

Recapitulation.

Total ingress	3,712
Total egress	2,915
Remaining in wards December 31, 1897	797

REPORT

— OF THE —

INSANE DEPARTMENT.

INSANE DEPARTMENT.

Physician in Charge:

HUBERT C. KNAPP, MD.

Assistant Resident Physicians:

CHAS. J. CAREY, M.D., First Assistant.
W. J. R. McFARLAND, M.D., Second Assistant.

VISITING STAFF.

Alienists:

HENRY M. HURD, M.D.
HENRY J. BERKLEY, M.D.
E. M. SINGEWALD, M.D.
STEWART PATON, M.D.

Surgeon:

EUGENE McE. VAN NESS, M.D.

Gynecologist:

J. WHITRIDGE WILLIAMS, M.D.

Ophthalmologist:

C. H. MEDDERS, M.D.

REPORT OF THE RESIDENT PHYSICIAN.

BAY VIEW ASYLUM, December 31, 1897.

To the President and Board of Trustees of the Poor:

LADIES AND GENTLEMEN: I hereby submit the following report for the Insane Department for the year ending December 31, 1897:

The records show that the population of this department has increased from 385 at the beginning to 419 at the close of the year, thus showing a net gain of 34 and making it evident that something must be done, and that very shortly, for the relief of this overcrowding; (2) that the number of deaths during the year was 25, showing a decrease of 8 as compared with the report of 1896 and a still greater decrease as compared with the report of 1895; (3) that there was but one death from phthisis pulmonalis during the year, and by comparison with former reports it seems that this disease, as a cause of death, is gradually becoming less prominent in this department of the institution.

Our sewing school, under the supervision of Mrs. George C. Wilkins, President of the Charity Sewing Society for the Insane, has been continued during the year and has been a source of great benefit to the patients in many ways. Aside from this sewing school other work has been done by the female patients, as is shown by the fact that 26,539 garments have been repaired, and 7,412 new garments have been made, during the year.

The male patients have been employed on the grounds in various ways and a great many have also been employed in the wards.

For the many books, magazines and papers contributed by publishers and friends I wish to extend the thanks of the department. I wish also to thank all those who so kindly assisted at our entertainments during the past winter.

Very respectfully,

HUBERT C. KNAPP.

INSANE STATISTICS.

BAYVIEW ASYLUM.

TABLE I.

General Statement for Year Ending December 31, 1897.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
Patients in Insane Departmentme Dec. 31, 1896.	139	153	29	64	385
Admitted from Baltimore	51	30	27	15	123
Transferred from Almshouse	....	17	3	....	20
Total number under treatment	190	200	59	79	528
Number of patients discharged	37	15	7	6	65
Transferred to Almshouse	5	7	5	2	19
Died	10	5	6	4	25
Total egress during year	138	173	41	67	419
Remaining December 31, 1897	1	3	1	....	5
In Insane Department twice during year	1	3	1	....	5

TABLE II.

Time of Residence of Those Discharged Otherwise Than by Death.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
One month or less	9	8	3	2	22
Between 1 and 2 months	10	2	3	3	18
" 3 " 6 "	6	3	3	2	14
" 6 " 12 "	5	3	2	1	11
" 1 " 2 years	6	1	0	0	7
" 2 " 4 "	1	2	0	1	4
" 6 " 8 "	1	0	0	0	1
" 8 " 10 "	2	0	0	1	3
" 10 " 12 "	1	0	0	1	2
" 15 " 20 "	1	0	0	0	1
" 20 " 25 "	1	0	0	0	1
	43	19	11	11	84

TABLE III.

Showing Monthly Admissions, Discharges, Deaths and Number of Patients.

	Admitted.	Discharged.	Died.	No. of Patients at end of each month.
January	14	3	4	392
February	15	12	2	393
March	10	4	3	396
April	10	12	0	394
May	18	8	3	491
June	12	6	2	405
July	18	8	2	413
August	12	6	0	419
September	8	12	4	411
October	4	3	2	410
November	12	4	1	417
December	40	6	2	419
	143	84	25	

Average number of patients during year.....405.83
Highest number of patients August 29, 1897.....421
Lowest number of patients January 3, 1897.....383

TABLE IV.

Nativity of Patients Admitted During the Year.

Baltimore	50	Bohemia	1
Maryland	30	Scotland	1
North Carolina	2	Kentucky	1
South Carolina	3	Ireland	2
Virginia	6	Poland	1
West Virginia	1	Florida	1
Missouri	1	New York	1
Germany	19	Prussia	1
Russia	8	England	3
District of Columbia	1	Unknown	8
Pennsylvania	2		
Total			143

TABLE V.

Occupation of Those Admitted During Year.

Clerk	2	Gardener	1
Brass moulder	1	Laundress	6
Domestic	21	Bricklayer	1
Book-keeper	1	Waiter	1
Baker	4	Brickmaker	1
Housewife	16	Millwright	1
Laborer	19	Musician	1
Shoemaker	2	Carpet weaver	1
Bootblack	1	Teamster	1
Tailor	3	Cook	3
Carpenter	2	Painter	2
Huckster	4	Dollmaker	1
Sempstress	4	Horse dealer	1
Tinner	2	Salesman	1
Boarding-house keeper	1	Blacksmith	1
Pedler	2	Cigarmaker	2
Plumber	1	Grocer	1
Stableman	1	Driver	3
Merchant	1	Tobacco stripper	1
Cooper	2	Shoe laster	1
Engineer	1	Barber	1
Music teacher	1	Unknown	18
Dressmaker	1		
Totals			143

TABLE VI.

Showing Mental Disorders of Those Admitted.

Mania, acute	12	Paranoia	6
" chronic	6	Puerpal insanity	2
" recurrent	7	Climacteric "	3
" pre-senile	1	Dementia, acute	1
" post epileptic	4	" secondary	1
Melancholia, acute	8	" organic	4
" chronic	4	" syphilitic	5
" stuporous	1	" pre.senile	3
" agitata	1	Senility	17
Acute alcoholic insanity	14	Imbecility	27
Chronic " "	6	Idiocy	1
General paresis	5		
Chronic delusional insanity.	4	Total	143

TABLE VII.

Showing Time of Residence of Those Who Died.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
One month or less	2	1	2	....	5
Between 1 and 3 months	1	1	3	....	5
" 3 " 6 "	1	1	1	1	4
" 6 " 12 "	1	2	.....	.....	3
" 1 " 2 years	.....	.....	.....	2	2
" 2 " 4 "	1	.....	.....	.....	1
" 4 " 6 "	.....	.....	.....	1	1
" 6 " 8 "	1	.....	.....	.....	1
" 10 " 12 "	2	.....	.....	.....	2
21 years	1	.....	.....	.....	1
Totals	10	5	6	4	25

TABLE VIII.

Showing Cause of Death of Those Dying During the Year.

Pneumonia	3	Exhaustion of General Paresis	1
Chronic Interstitial Nephritis	2	" Senility	1
Cerebral Hemorrhage	5	" Chr. Diarrhoea	1
Uraemia	2	" Organic Dementia	1
Phthisis Pulmonalis	1	" Syp. Dementia	1
Acute Lepto-Meningitis	1	" Ischio-Rectal Abscess	1
Mitral Regurgitalim	3	Suicide by hanging	1
Septic Infection	1		
Total	25		

TALLE IX.

Mental Disorder of Those who Died During Year.

Mania, acute	2	Chronic Alcoholic Insanity	4
" chronic	1	Dementia, organic	3
" recurrent	1	" syphilitic	2
" post epileptic	1	" secondary	4
Melancholia, chranic	1	Senility	4
General Paresis	2	Idiocy	2
Chronic Delusional Insanity	1		
Totals			25

ANNUAL REPORT

— OF THE —

SEWERAGE COMMISSION

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

OFFICE OF THE SEWERAGE COMMISSION,
BALTIMORE, December 31st, 1897.

The Honorable William T. Malster,
Mayor of the City of Baltimore.

SIR: The Sewerage Commission has the honor to present its report for the year ending December 31, 1897.

On the 20th September last, it presented to the Mayor and City Council a full report of its investigations, with recommendations for a complete system of sewerage for the city, as contemplated in its appointment. Since that date it has been engaged in directing the printing and distribution of that Report, and in collecting, auditing and approving for payment its few outstanding accounts. These have now been passed to the Comptroller, and there is hereto appended a statement of all the expenditures of the Commission.

The Commission has been in existence since May, 1893. The appropriations made for its purposes have been as follows:

By joint resolution, approved October 14, 1893	$ 5,000 00
" ordinance, approved March 29, 1895	20,000 00
" " " July 2, 1897 (additional)	15,000 00
A total of	$40,000 00
The disbursements for expenses of the Commission of every kind, have been—For the years 1893–1894	$ 3,231 97
" year 1895	4,638 09
" " 1896	11,621 38
" " 1897	14,387 78
A total of	$33,879 22
Leaving an unexpended balance this day covered into the city treasury of	6,120 78
	$40,000 00

Vouchers giving details of all these disbursements have been filed from time to time, in the hands of the City Comptroller. An abstract of them showing for what purposes the money was expended accompanies this report.

The Commission desires to express its grateful sense of the support it has had from the several city executive officers, under whom it has pursued its somewhat laborious duties—first, under Mayor Ferdinand C. Latrobe, who appointed it; second, under Mayor Alcaeus Hooper, who filled the only vacancy occurring in the Commission, and who gave the Commission many evidences of his confidence; and lastly, under your Honor, to whom this report is made.

The Commission desires also to express its appreciation of the attention it has received from the City Council, which always responded in full to its estimated money requirements, and it has, therefore, the greater pleasure in being able to return, of the sums so liberally provided, an unexpended balance of $6,120.78.

It also desires to commend to the attention of the Mayor and City Council the efficient service which has been rendered by its Principal Assistant Engineer, Mr. Kenneth Allen. The professional knowledge and experience which this officer brought to the service is now supplemented by that acquired in the investigation of the peculiar conditions which control our sewerage problems. His continuance in the city's service should be of much value to it.

It would further commend as worthy of recognition the faithful service of its Clerk, Mr. C. L. Rector.

Anticipating that this would be its final report, and that the Commission would now be dissolved, it has prepared, and is ready to submit, a schedule of all the property in its custody belonging to the city. This consists of maps and drawings, books of reference, records and correspondence, together with a collection of samples of the soil adjacent to the city examined with reference to its adaptation to filtration purposes.

Within the last few weeks, your Honor, on being advised that the Commission had finished all the work thus far entrusted to it and was ready to conclude its functions, has been pleased to ex-

press the wish that the Commission should take no action at present looking to its dissolution, but maintain its organization until further advised by your Honor; that your Honor hoped to see some early action taken towards the adoption of a general sewerage system, and that in view of the attention devoted to the subject by the present Commission, it might be a loss to the city to have it go out of existence at the present stage of the question.

Honored by this expression of your confidence, the Commission, whilst ready to be relieved as soon as may seem expedient, maintains its organization until further advised. It is necessary, however, to again remind your Honor that with the close of the year the unexpended balance of the sum appropriated for the use of the Commission lapses into the city treasury, and that a new appropriation becomes necessary to meet the current expenses.

All of which is respectfully submitted.

MENDES COHEN,
F. H. HAMBLETON,
E. L. BARTLETT,
Sewerage Commission.

DISBURSEMENTS OF THE SEWERAGE COMMISSION FROM ITS ORGANIZATION, JULY 19, 1893, TO DECEMBER 31, 1897.

Month.	Pay of Office Staff.	Professional Services of Consulting Engineers and others.	Office Rent.	Office Furniture, Fixtures and Books.	Office Expenses and Stationery.	Surveys and Compiling and Making of Maps and Plans.	Type-writing and Printing.	Personal and Traveling Expenses.	Monthly Totals.	Total Expended to Date.	Appropriations.	Balances.
1893.												
Nov...	$102 14		$50 00	$66 32	$2 85	$93 54			$314 85		$5,000 00	
Dec ..	83 33		63 93	138 50	1 15	2 00			288 91	$603 76		$4,396 24
1894.												
Jan ..	110 42		63 33	2 00	6 30	79 00			261 05			
Feb ..	118 33		126 67	40 00	1 40	3 00			289 40			
Mar...	118 33		63 33		1 10	16 58			199 34			
April.	118 33		63 34	4 50		10 25			196 42			
May..	52 75		63 33	17 50	75	12 82			147 15			
June..	50 00		63 33	5 20		114 50	60		233 63			
July..	50 00		63 34	9 35	3 83	117 24			243 76			
Aug..	50 00		63 33		4 20	132 49	65		250 67			
Sept..	50 00		63 33		1 75				115 08			
Oct...	50 00	$395 55	63 34	11 00	1 75				521 64			
Nov...	50 00		63 33		1 45				114 78			
Dec ..	50 00				2 74	2 00	55		55 29	3,231 97		1,768 03
1895.												
Jan ..	50 00		126 67		70	25 00			202 37			
Feb ..	50 00		63 34		50		50		114 34			
Mar...	50 00		63 33		90				114 23		20,000 00	
April.	50 00		63 33	8 00	2 65	40 35			164 33			
May..	50 00		63 34	3 00	1 25				117 59			

June..	50 00		63 33		50	183 40			297 23			
July..	50 00		63 33		80	210 97			325 10			
Aug..	50 00		63 34		50	387 29			501 13			
Sept..	150 00		63 33		11 18	175 00			399 51			
Oct...	250 00		63 33	5 00	2 85	38 34			359 52			
Nov...	250 00		63 33	50 25	4 44	325 66			693 68			
Dec ..	250 00	700 00			9 90	375 80		13 30	1,349 06	7,870 06		17,129 94
1896.												
Jan ..	260 00		63 33		2 85	493 60			819 78			
Feb ..	260 00		63 33	5 00	2 45	88 33			419 11			
Mar...	260 00		63 33		1 34	49 40	7 20		384 27			
April.	260 00		63 33	18 50	3 55	387 59			732 95			
May..	260 00		63 33	9 50	6 40	476 29			815 52			
June..	260 00		63 34		4 20	430 54			758 08			
July..	260 00		63 34		1 00	142 03	2 25		468 62			
Aug..	260 00		63 34		2 28	322 78			648 40			
Sept..	260 00		63 34		1 90	6 00	1 00		332 24			
Oct...	260 00		63 33		1 90	9 51		16 87	351 61			
Nov...	260 00	100 00	63 33		1 77		1 16		426 21			
Dec ..	260 00	5,000 00	63 34	9 17	11 00	77 20	43 85		5,461 56	19,491 11		5,508 56
1897.												
Jan ..	260 00			1 00	3 38	37 50	12 68		317 56			
Feb ..	260 00		126 66	2 10	3 57		10 80		403 13			
Mar...	260 00	5,276 45	63 34		2 25		30 27		5,632 31			
April.	260 00		63 34		3 35	51 09			377 78			
May..	260 00		63 34	6 50	1 10	82 20	3 14		416 58			
June..	260 00		63 34		5 82	737 68			1,066 84			
July..	260 00				4 75	82 96			347 71		15,000 00	
Aug..	260 00	1,000 00	126 66		2 85	2 55	9 82		1,401 88			
Sept..	260 00		63 33		3 88	52 05	1 94	3 50	387 60			
Oct...	260 00	84 46	63 33	5 00	19 27	2 32	10 00		164 32			
Nov...	260 00	350 00	63 33		6 58				689 91			
Dec .	260 00	250 00	63 33		1 18		2,301 65		2,882 16	$33,879 22	$40,000 00	$6,120 78
Totals	$8,593 65	$13,156 10	$3,153 91	$420 39	$0200 6	$5,876 83	$2,444 36	$33 67	$33,879 22			

Correct: C. L. RECTOR, *Clerk to Commission.*

ANNUAL REPORT

—OF THE—

BOARD OF VISITORS OF THE JAIL OF BALTIMORE CITY.

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

OFFICERS

—OF THE—

BALTIMORE CITY JAIL,

1897.

BOARD OF VISITORS:

HON. WILLIAM T. MALSTER, *Ex-officio.*
BENJAMIN F. BENNETT, *President.*
JOHN M. STEWART, *Secretary.*
MRS. EDWARD A. ROBINSON.
EDWARD C. HARDING.
FRANK C. WACHTER.
ISAAC S. FIELD.

WARDEN:

JOHN R. BAILEY.

PHYSICIAN:

JAMES C. CLARKE, M. D.

CLERK:

EMANUEL PREISS.

STANDING COMMITTEES:

DISCIPLINE.

MRS. EDWARD A. ROBINSON, *Chairman.*
EDWARD C. HARDING.
ISAAC S. FIELD.

FINANCE.

ISAAC S. FIELD, *Chairman.*
JOHN M. STEWART.
FRANK C. WACHTER.

REPAIRS.

FRANK C. WACHTER, *Chairman.*
EDWARD C. HARDING.
BENJAMIN F. BENNETT.

SUPPLIES.

EDWARD C. HARDING, *Chairman.*
ISAAC S. FIELD.
JOHN M. STEWART.
MRS. EDWARD A. ROBINSON.

SANITARY.

JOHN M. STEWART, *Chairman.*
FRANK C. WACHTER.
MRS. EDWARD A. ROBINSON.

REPORT.

BALTIMORE CITY JAIL,

January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore City:

GENTLEMEN.—The Board of Visitors to the Baltimore City Jail have the honor of transmitting herewith their report in detail of the maintenance and management of the institution during the year ending December 31, 1897.

In a very careful and comprehensive report of the Warden, Mr. John R. Bailey, we would earnestly direct your attention in detail in the form of Exhibits A, B, C, the average yearly, monthly and daily number of prisoners confined in the institution, the total number committed, with the nature of their offences as charged, the final disposition of the prisoners and the finances as set forth in Exhibit D. We would also call your attention to the statement of cash receipts as shown in Exhibit D as this amount, $5,793.27, whilst an earning of the Jail is not credited to it.

The appropriation by the Mayor and City Council for the maintenance of the institution for 1897 was only $51,000, as against $52,000 for the year 1896.

Of this amount $50,997.97 was spent, leaving an unexpended balance of two dollars and three cents ($2.03).

We would earnestly and respectfully suggest to your honorable body the appropriation of fifty-five thousand dollars ($55,000), as we estimate this amount to be absolutely necessary to meet the necessary expenditures of the current year.

It gives the Board no little degree of pleasure to refer in complimentary terms to the efficient services and able management of Mr. John R. Bailey, the Warden, who is fully in touch with the high requirements of this office, and who exemplifies in no uncertain degree "the right man in the right place." He has ever shown that great and noble feeling, "humanity," in the care, comfort and welfare of those committed to his care.

We also desire to state that Dr. James C. Clark, the physician in attendance, has ever been faithful in the discharge of his onerous duties to the sick and suffering, and the successful treatment of those who have been under his charge, is sufficient proof of his skill and unremitting attention, and the painstaking and careful Clerk, Mr. Emanuel Preiss, the result of whose untiring labors the accounts have all been well cared for and kept, which deserves great credit. It is to be hoped that your honorable body may take cognizance of the recommendations as set forth in the Warden's report, particularly as referring to the absolute need of a separate building for the confinement of youthful offenders. The existing circumstances requires such a building, and it is urgent for the betterment of the morals of the institution, and it is to be hoped that your honorable body will take notice of this urgent need.

The condition of the Jail is in a very excellent state; the premises having been painted and kalsomined, the sewerage system being remodeled, yet there is great need that the plumbing be overhauled. With the addition of the new boilers, or heating apparatus, for which the special appropriation of $5,000 was made, is quite an innovation for the year. All of these improvements have been made with a view to the better comfort, convenience and health of the prisoners.

Your attention is specially called to the recommendation of at least one more deputy, in order to meet the needs and requirements of the present exigencies.

Respectfully submitted,

BENJAMIN F. BENNETT, *President.*
JOHN M. STEWART, *Secretary.*
MRS. EDWARD A. ROBINSON.
FRANK C. WACHTER.
EDWARD C. HARDING.
ISAAC S. FIELD.

REPORT OF THE WARDEN.

BALTIMORE, December 31, 1897.

To the Honorable Board of Visitors of the Baltimore City Jail:

GENTLEMEN:—I have the honor to submit herewith my annual report of the operations of the Jail for the year ending December 31, 1897. The number of prisoners committed for the action of the Criminal Court of Baltimore City and the Federal Court, was three thousand one hundred and forty-one (3,141). The number of peace cases was seven thousand two hundred and fifty-one (7,251). Total number for the year, ten thousand three hundred and ninety-two. The daily average of prisoners in Jail for the year was five hundred and seventy-seven (577), an increase over that of 1896 of forty-five.

The resources still due to the credit of the Jail are as follows:

Chas. S. Beebe, Contract Labor	$1,178 77
United States Marshal, Board of Prisoners	530 00
Baltimore County	67 50
Anne Arundel County	21 50
Frederick County	22 00
Somerset County	17 25
Harford County	6 00
Total	$1,843 02

The health of the institution as a whole has been excellent, which is due to the untiring efforts of our physician, Dr. James C. Clark. I beg leave to submit, for your kind consideration, the following estimates for the fiscal year now commencing:

Officers' Salaries	$27,500
General Subsistence	12,500
Hospital Subsistence	1,500
Fuel and Light Subsistence	3,800
Incidental Expense Account	1,500
Sanitary Account	1,400
Clothing Account	2,500
Hospital Account	800
Machinery and Repairs	3,500
Total	$55,000

The full complement of men at work in the shop on the contarct between Mr. Charles S. Beebe and the Board have been kept employed with the exception of the time when the shop was shut down, whilst instituting the new heating apparatus. The remainder of the sentenced prisoners are used for the general repair work in the institution. Following is a list of the work done in the "Annex" by the female inmates:

Number of Pieces Washed	108,727
" " Overalls Made	1,000
" " Shirts Made	890
" " Towels Made	500
" " Bed Sheets Made	500
" " Pillow Cases Made	500
" " Bed Ticks Made	50
" " Pillow Ticks Made	50
" " Dresses Made	350
" " Miscellaneous Articles Made	200
" " Repairs Made	2,850
Total Number Pieces Handled	115,527

During the past year a special appropriation of $5,000 was made to be applied to a new heating plant, which was so very necessary. I am glad to state that this plant was completed on November 10, 1897, and since that time, even during right severe tests of cold weather, it has been adequate and has given perfect satisfaction. It is gratifying to know that an additional Judge has been assigned on the criminal bench, who will look after some of the many cases on the court side, giving speedy trials to prisoners, who heretofore, in many instances, were made to suffer imprisonment for periods of four to five months before trial, and then, after which, only receiving short sentences of sixty or ninety days.

In place of the plunge bath, which was found seriously objectionable, four needle baths were placed on the court side, and, after a thorough test, have proved entirely satisfactory, in that it cleanses the prisoners thoroughly. The men bathe more freely and are physically cleanlier than ever before. I recommend that needle baths be placed in all sections of the prison.

The sanitary arrangements have been looked after as well as could be done with a small appropriation, but there yet remains

much to be done in supplying necessary demands. The plumbing in the towers should be overhauled and changes made where it will be for the best interests of the institution and the health of the inmates. The sum requisite for this work will be money well spent. An annex for the confinement of boy prisoners is an actual necessity, as they are contaminated through association with the hardened criminals with whom they come in contact. Youth is always ready to learn, especially from older ones, and in a spirit of bravado may acquire habits which may never be broken, and if they should be separated or kept in a building to themselves the chances for reformation will be greater. A boys' school has been maintained during the past year.

Through the efforts of educated prisoners they have been taught and have shown an aptness to learn; and, being instructed in morals as well, gives them an incentive to do right. I should like to see the boys school in charge of a paid instructor or teacher, so that the highest code of morals could be taught. Three meals a day have been given the prisoners instead of two as formerly, and it has cost very little more than heretofore, yet the benefits are very appreciable, At a very little expense the Warden's office and hall were painted and artistically decorated and embellished by a prisoner whose artistic touches have made quite a change in the surrounding environments, in fact there has been a general improvement throughout the Jail in all matters pertaining to the comfort and increased facilities for carefully housing inmates In order to place all the safeguards around the institution a guard house has been built in the north end of the front yard, where an officer has the opportunity to keep proper surveillance and see that those prisoners who have work in the yard have no means of escape. The discipline during the year has been satisfactory in every particular.

The present hot-house system is an innovation over the old methods. The hot houses, which heretofore were run at an expense of over one thousand dollars ($1,000) annually, have been leased to a competent florist who furnishes all the plants necessary for the institution, looks after the care of the plants and keeps the lawn in proper condition. All this is done at an expense of only

about one hundred dollars ($100) yearly. One very necessary thing for the benefit of the service is the readjustment of salaries. The day deputy Warden who acts as Warden during the Warden's absence and whose duties are very responsible should receive an advance of at least three hundred dollars ($300) per year, and in addition should wear a uniform different in some way from other deputies so that his position may be recognized, whilst the Matron and assistant Matron whose duties are varied and onerous should receive $60 and $50 respectively per month. The Laundry has come in for a share of attention, several changes have been made and I believe the clothes are made as clean as it is possible to get them. I cannot help but speak of the fact regarding Peter Monahan, the noted wife murderer, whose execution on the 13th day of August last, was carried out to the letter of the law without a jar or hitch in any of the proceedings. A series of Saturday afternoon lectures have been instituted during the year which affords the prisoners an opportunity to hear instructive talks along moral lines, from the brightest professional and business men the city affords, and I believe that great good is being accomplished through this means.

I would also recommend that at least one more keeper be employed to patrol the front yard during the night, which is an absolute necessity, and would prevent any possible aveuue of escape. In this connection I should recommend the building of front wall at least four feet higher, so as to insure further safety.

The Maryland Prisoners' Aid Association has accomplished good work during the year under the guidance of its President, G. S. Griffith, and the Rev. William C. Stoudenmire, its agent.

I take great pleasure in commending the missionary work done by Mr. George H. Mason who has been untiring in his labors among the prisoners, having missed but few days in the last twelve months; also the work of Messrs. Robert Haslett and Louis Cassard, in the adult Sabbath School, also Mrs. Catherine Howell as music teacher to the boys, and Miss Jump as instructress in the Boys' Sabbath School. The Gospel Chorus has rendered fine

music, for which the management as well as the inmates are grateful. I thank the Board for the many expressions of kindness and courtesies shown me during the year, which has greatly aided me in the performance of my manifold duties.

Respectfully submitted,

JOHN R. BAILEY, *Warden.*

EXHIBITS.

EXHIBIT A.

SHOWING THE MONTHLY OR DAILY AVERAGE OF PRISONERS FROM JANUARY 1 TO DECEMBER 31, 1897.

January	577
February	528
March	584
April	539
May	514
June	550
July	569
August	662
September	656
October	575
November	575
December	595
Daily average for 1897	577
Daily average for 1896	532
Daily average for 1895	497
Daily average for 1894	538
Daily average for 1893	496
Daily average for 1892	467
Daily average for 1891	497

Highest number in Jail during 1897 was 743, on August 16th.
Lowest number in Jail during 1897 was 490, on May 27th.

EXHIBIT B.

Showing the Number of Prisoners Committed for Various Causes During the Year Ending December 31, 1897.

	White.			Colored.			
	Men.	Women.	Total.	Men.	Women.	Total.	Grand Total.
Peace and drunkenness	3,616	321	3,937	2,291	687	2,978	6,915
Larceny	693	51	744	663	125	788	1,532
Assault and battery	101	7	108	130	14	144	252
Assault, intent to kill	39	1	40	64	6	70	110
False pretenses	44	4	48	20	2	22	70
Burglaries	124		124	56		56	180
Embezzling	26		26	4		4	30
Forgery	15		15	1		1	16
Violating lottery law	48	2	50	54	11	65	115
Conspiracy	6		6				6
Sodomy	5		5	1		1	6
Vagrants	196	30	226	83	27	110	336
Violating liquor law	25	1	26	9	1	10	36
Deserting wife, etc	18		18	15		15	33
Perjury	5		5	2	2	4	9
Bigamy	5	1	6	1		1	7
Common thief, etc	1	1	2				2
Keeping gaming house	4		4	13		13	17
Witnesses, State and United States	12	1	13	5	1	6	19
Concealed weapon	3		3	9		9	12
Insubordination	9		9				9
Receiving stolen goods	5	1	6	1	1	2	8
Rape and attempt and accessory	25		25	20		20	45
Cruel treatment to seamen	3		3	1		1	4
Illegitimacy	2	1	3	3		3	6
Passing counterfeit money and counterfeiting	19	2	21				21
Cruelty to animals	2		2	1		1	3
Enticing female minors for purpose prostitution	6	6	12	1		1	13
Smuggling	6		6				6
Attempt to steal or rob	7		7	2		2	9
Selling goods without license	7		7	2		2	9
Murder and accessory	9	6	15	16	1	17	32
Suspicious characters	8		8	9		9	17
Violating election laws	42		42	6		6	48

EXHIBIT B.—Concluded.

	White.			Colored.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Keeping bawdy house	4	3	7	8	1	9	16
Assault and robbing and intent	62	2	64	36	24	60	124
Felonious entry	29	1	30	33	1	34	64
Pickpockets	10	....	10	3	....	3	13
Arson and attempt	3	1	4	5	....	5	9
Defrauding hotel-keeper	5	....	5	....	....	....	5
Indecent exposure	11	1	12	5	....	5	17
Fraudulent trick	16	....	16	2	....	2	18
Mayhem	....	....	....	1	....	1	1
Riding on railroad cars unauthorized	3	....	3	1	....	1	4
Violating postal laws	3	....	3	1	....	1	4
Malicious destruction property	3	....	3	3	1	4	7
Poisoning	....	1	1	....	....	....	1
Incorrigible children	....	....	....	51	....	51	51
Procuring abortion	....	....	....	....	1	1	1
Assault on and interfering with police officer	28	....	28	18	13	31	59
Wife beating	10	....	10	....	....	....	10
Violating city ordinances	4	....	4	4	1	1	5
Indecent assault	7	....	7	1	....	1	8
Contempt of court	10	....	10	2	....	2	12
Adultery	1	1	2	....	....	....	2
Stowaways	2	....	2	1	....	1	3
Bribery	....	....	....	1	....	1	1
Chinese not having certificate of residence	24	....	24	....	....	....	24
	5,371	446	5,817	3,655	920	4,575	10,392

EXHIBIT C.

SHOWING THE NUMBER OF PRISONERS COMMITTED AND HOW DISCHARGED FOR THE YEAR ENDING DECEMBER 31, 1897.

Total number of prisoners committed			10,392
Sent to Maryland Penitentiary:			
White men	89		
" women	3		
Colored men	99		
" women	15		
		206	
Sent to Bayview Asylum:			
White men	10		
" women	4		
Colored men	3		
" women	3		
		20	
Pardoned by Governor of Maryland:			
White men	5		
" women	2		
Colored men	2		
		9	
Sent to House of Refuge:			
White men	3		
		3	
Transferred home on account of sickness:			
White men	2		
" women	1		
Colored men	3		
" women	12		
		18	
Executed:			
White men	1		
		1	
Sent to Industrial School for Colored Girls:			
Colored Girls	1		
		1	
Sent to Maryland House of Correction:			
White men	134		
" women	20		
Colored men	87		
" women	22		
		263	
Sent to House of Reformation for Colored Boys:			
Colored boys	63		
		63	
Died in Jail:			
White men	1		
" women	1		
Colored men	6		
		8	
Discharged by Courts, Magistrates, expiration of sentence and otherwise		9,170	
Remaining in Jail December 31, 1897		630	
			10,392

EXHIBIT D.

Being a Summary of Receipts and Expenditures

Dr.

1897.		
Jan. 1.—To Mayor and City Council		$51,000 00
		$51,000 00
Dec. 31—Charles S Beebe, contract labor		$4,478 77
United States Marshal, Prisoners' Board		848 40
Anne Arundle County		9 10
Calvert County		79 50
St. Mary's County		3 00
Baltimore County		110 50
Prince George's County		129 00
Somerset County		6 00
Frederick County		75 50
Charles County		53 50
		$5,793 27

EXHIBIT D.

for the Year Ending December 31, 1897.

		Cr.
1897.		
Dec. 31—By officers' salaries		$27,241 43
By general subsistence		11,817 17
By hospital subsistence		1,408 20
By fuel and light		3,423 17
By expense account		1,033 74
By sanitary "		1,124 79
By clothing "		1,958 70
By hospital "		682 95
By machinery and repair account		2,307 82
Unused balance		2 03
		$51,000 00
Dec. 31—By City Register		$5,793 27
		$5,793 27
Deducting $5,793.27, the amount of receipts, from $50,997.97, the amount of expenditures, and the net cost to maintain the prison for the year 1897 is		45,204 70

EXHIBIT E.

Being a Summary of Expenditures of the Sum of $5,000 Appropriated by the Mayor and City Council for the Purpose of Erecting New Boilers and Repairs to the Heating Apparatus; also a Statement Showing the Per Capita Cost of Maintaining Prisoners, Both Yearly and Daily, and the Per Capita Cost of Same for the Different Departments.

Dr.		Cr.	
1897.		1897.	
Nov. 1—To Mayor and City Council	$5,000 00	Nov. 30—Advertising	$18 93
		Electrical supplies	4 49
		Contract boilers	3,013 00
		Repairs to heating apparatus	1,331 06
		Window sashes	34 11
		Lumber	137 02
		Brick work	124 41
		Tin roofing	177 31
		Cement and terra cotta pipe	46 45
		Bricks	23 50
		Sand	14 25
		Lime and plaster	25 15
		Slate roofing	31 73
		Wall anchors	3 00
		Hardware	6 65
		Unexpended balance	8 94
	$5,000 00		$5,000 00

EXHIBIT E.—Concluded.

1897.	Yearly.	Daily.
Cost of maintaining prisoners per capita was	$88.38	.2421
Officers' salaries	$47.21	.12932
General subsistence	20.48	.05611
Hospital subsistence	2.44	.00661
Fuel and light	5.931	.01625
Expense account	1.791	.00492
Sanitary "	1.949	.00533
Clothing "	3.395	.00933
Hospital "	1.185	.00325
Machinery and repair account	3.999	.01098
	$88.380	.24210

REPORT HOSPITAL DEPARTMENT.

BALTIMORE, December 31, 1897.

To the Honorable the Mayor
And Board of Visitors Baltimore City Jail:

GENTLEMEN: I have the honor to respectfully submit the following report for the year ending December 31, 1897. A tabulated statement will be found in following pages:

The sanitary condition of the institution is as good as existing circumstances will permit.

I recommend strongly the ventilation of the towers and the retrapping of the sewers, also the erection of sanitary closets and washing troughs in the towers on each section.

I also recommend the erection of needle baths (similar to those on section No. 1) in each section of the Jail, which would facilitate the bathing and add to the cleanliness of the prisoners.

During the year the institution has been free from all contagious diseases. The diet of the prisoners has been varied and much improved, which has added very materially to the hygiene of the institution.

The number treated during the year was 5,599. The total number prescriptions during the year was 16,333, a daily average of 44 Mortality for the year was 1 43-100 per 1,000, or .89 of those prescribed for.

During the year there were nine deaths. Four of these were not under my control. For example, Peter Monahan, who was legally executed; Edward L. Smith, died of apoplexy; Louisa Austin died two hours after entering the institution, of alcoholism; Charles Blackstone, without any warning, of heart disease. These were cases which had not applied for treatment.

A number of serious surgical cases have presented themselves during the year, which have shown me the value of our hospital facilities.

I wish to commend the new heating apparatus erected recently, which keeps the buildings in a comfortable condition at all times.

Thanking the Board for their many kindnesses and the Warden and his deputies for their attention and assistance,

I am, very sincerely,

JAMES C. CLARKE, M. D.

ANNUAL REPORT.

FROM JANUARY 1 TO DECEMBER 31, 1897.

Abcess	18	Hernia	5
Alcoholism	460	Herpes Circinnatus	3
Ammenonhœa	5	Hypertrophy of the Heart.	8
Anaemia	57	Inanition	24
Apoplexy	1	Indigestion	156
Asthma	6	Insanity	12
Biliousness	94	Insomnia	11
Bites, Man and Dog	20	Intermittent Fever	2
Bronchitis, Acute	808	Internal Injury	33
Bronchitis, Chronic	2	Interstitial Nephritis	1
Bubo	16	Iritis	4
Burns	27	Jaundice	1
Cancer	1	La Grippe	56
Cancrum Oris	25	Laryngitis	6
Catarrh, Nasal	102	Leucorrhoea	21
Cellular Hypertrophy	2	Loco Motor Alapia	1
Cephalalgia	21	Lumbago	13
Chancre	50	Malaria	211
Colic	18	Mania-a-potu	19
Congestion of the Liver	7	Mastitis	4
Conjunctivitis	45	Mennorrhage	22
Constipation	617	Metritis	1
Contusion	282	Miscarriage	2
Coryza	4	Mitral Regenutation	4
Cystitis	7	Morphine Habit	17
Diarrhoea	125	Myalgia	75
Diarrhoea, Chronic	1	Myelitis	1
Dysmenorrhoea	14	Nervous Prostration	1
Dyspepsia	35	Neuralgia, Facial	68
Earache	12	Neuralgia, Intestinal	6
Eczema	168	Neurasthaenia	68
Electric Shock	1	Nymphomania	1
Elephantiasis	1	Orchitis	9
Epilepsy	19	Pede Cula Pubi	92
Epistaxis	2	Periostitis	1
Erysipelas	1	Pharyngitis	41
Fatty Degeneration Heart.	1	Pneumonia	4
Felon	9	Phymosis	5
Fistula in Ano	3	Phthisis	30
Fracture	6	Pleurisy	5
Frostbite	1	Poisoning	5
Furuncle	63	Prolapsus Ulteri	1
Galactoarhoea	7	Prosidentia	3
Gastritis	4	Prostatitis	1
Gleet	47	Psoriasis	1
Gonorrhoea	127	Rheumatism	316
Hemorrhage	4	Rheumatic Gonorrhoea	1
Hemorrhoids	39	Scrofula	16
Hepititis	1	Spinal Bifida	1

ANNUAL REPORT.—Continued.

Sprains	27
Stomatitis	10
Stranguay	36
Stricture, Uretheral	6
Synovitis	1
Syphilis	80
Tenia	2
Termed Pregnancy	14
Tonsilitis	128
Toothache	93
Torticollis	1
Tuberculosis	1
Ulcer, Leg	58
Varicocele	2
Veneral Warts	8
Total number diseases	5,244
Surgical Cases	213
Teeth Extracted	142
Total	5,599

RECAPITULATION

FOR YEAR ENDING DECEMBER 31, 1897.

Jan'y—White males	143		
White females	13		
Colored males	77		
Colored females	35		
		268	
Total prescribed for			1,314
Feb'y—White males	100		
White females	20		
Colored males	69		
Colored females	37		
		226	
Total prescribed for			970
March—White males	204		
White females	35		
Colored males	139		
Colored females	71		
		449	
Total prescribed for			1,409
April—White males	181		
White females	26		
Colored males	154		
Colored females	63		
		424	
Total prescribed for			1,315
May—White males	163		
White females	29		
Colored males	150		
Colored females	103		
		445	
Total prescribed for			1,344
June—White males	193		
White females	36		
Colored males	139		
Colored females	99		
		467	
Total prescribed for			1,385
July—White males	239		
White females	42		
Colored males	219		
Colored females	79		
		579	
Total prescribed for			1,487
Aug.—White males	231		
White females	21		
Colored males	219		
Colored females	101		
		572	
Total prescribed for			1,502

Sept.—White males	218		
White females	47		
Colored males	251		
Colored females	104		
		620	
Total prescribed for			1,582
Oct.—White males	209		
White females	32		
Colored males	194		
Colored females	96		
		531	
Total prescribed for			1,406
Nov.—White males	220		
White females	30		
Colored males	202		
Colored females	57		
		509	
Total prescribed for			1,289
Dec.—White males	230		
White females	36		
Colored males	185		
Colored females	58		
		509	
Total prescribed for			1,330
		5,599	16,333

SUMMARY.

White males	2,331	
White females	367	
Colored males	1,998	
Colored females	903	
		5,599

SENT TO BAY VIEW.

White males	9	
White females	3	
Colored males	6	
Colored females	3	
		21

SENT TO CITY HOSPITAL.

White males	1	
Colored females	1	
		2

SENT TO SISTERS OF ST. JOSEPH.

White females	1	
		1

TRANSFERRED HOME.

White males	2	
White females	1	
Colored males	2	
Colored females	12	
		17

RESULT OF TREATMENT.

Cured	5,217	
Relieved	363	
Died	8	
Under treatment December 31	11	
		5,599

Total number prescribed for	16,333
Total number special meals	7,115

DEATHS.

Nathan Jackson, colored, at 7.30 A. M., January 3, of general tuberculosis.

Henry Jackson, colored, at 5 A. M., April 15, of interstitial nephrites.

Edw. L. Smith, white, at 7 A. M., May 10, of apoplexy.

James Moulton, colored, at 9 P. M., May 10, of general tuberculosis.

Louisa Austin, white, at 3 P. M., May 11, of alcoholism.

Richard Scott, colored, at 12.30 P. M., June 28, of cardiac hypertrophy.

Henry Chase, colored, at 3.55 A. M., November 12, of phthisis.

Chas. Blackstone, colored, at 4 A. M., November 15, of hypertrophy of the heart.

EXECUTIONS.

Peter Monohan, at 9.56 A. M., August 13.

ANNUAL REPORT

—OF THE—

SUPERINTENDENT PUBLIC BUILDINGS,

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

OFFICE OF SUPERINTENDENT PUBLIC BUILDINGS—
CITY HALL.

BALTIMORE, MD., January 1, 1898.

To the Honorable the Mayor and City Council:

GENTLEMEN:—I have the honor to submit this, my first, and the first annual report of the Superintendent of Public Buildings.

At the time of assuming charge, December 24, 1896, of this new office, I was confronted with perplexing questions of policy as to the best and most practical business methods to adopt.

By reference to Ordinances No. 9, Section 1, passed by the Honorable Mayor and City Council, at the Annual Session, 1895 and 1896, several sections of Art. 14, of the Baltimore City Code, 1893, were repealed, and Section 2, same ordinance, enacted a section to Article 14, to be known as Section 4, which provides for a Superintendent of Public Buildings—the responsible duties of which experience has proven were most important, and that the Mayor and City Council builded better than they knew.

That the City Hall, its Annexes, and the City Court Houses, constitute a bureau of the City Government of no small proportions, cannot be questioned.

Baltimore City is now a great and growing city. Her expectations and responsibilities must needs remove her above and beyond the conditions of a village.

I am influenced to make this reference by reason of a condition of absolute inadequacy of the city's public buildings for the transactions of the city's business affairs.

THE CITY HALL.

Large enough and comfortable enough for the city's needs thirty years ago, but wholly unfitted for the necessities of to-day.

The architectural design of the outer walls--when clean—were very pleasing to look upon, but the beauty of the design is completely lost, by reason of the blackened, weather beaten marble.

The building is illy constructed as to rooms, and as we found it one year ago, little had been done in the way of improvement since the completion of the building thirty years ago. At this time several of the departments are crowded into quarters much too small for the health and convenience of the employes—notably the Tax and Superintendent of Street Cleaning Departments. While some improvements have been made within the past two years in the Tax, Fire, Water and Fire-Alarm Departments, the greater portion of the building requires reconstruction. The dingy walls should receive a coat of paint, and the faded, worn and tattered carpets should be replaced with new ones. In verification of this statement it is only necessary to cite the necessity for renting the Zion School House, on Gay street, in order to provide offices for four important departments of the city government.

Therefore, believing that the native pride of the Honorable Mayor and City Council, and the whole people as well, who desire that our fair city shall not be marred by this defaced marble pile, I will recommend that an appropriation sufficient to thoroughly clean and brighten the outer walls, as well as the complete renovation, and alteration of the inside as indicated.

In addition to the foregoing generalities, it seems fitting that special mention should be made of

FIRST—LIGHTING PUBLIC BUILDINGS,

which contemplates the City Hall, City Hall Annex, and Court Houses.

The bills rendered for both gas and electric lighting, are part of the expenses included in the Superintendent's disbursements of the city's appropriation.

The monthly rendering of these bills, which seem excessive, never fail to impress me that the city is paying too much for lighting.

That the Honorable Mayor and City Council may have intelligible information I have prepared the following tabulated statement of these expenses for the past twelve (12) months.

EXPENSES—GAS AND ELECTRIC LIGHTING.

1896.		Gas.	Electric.	Total.	
Dec.....	City Hall and Annex..	$285 50	$87 50	$373 00	
1897.					
Jan.....	" " " " ..	317 75	24 75	342 50	
Feb.....	" " " " ..	330 12	11 94	342 06	
March ..	" " " " ..	312 62	19 05	331 67	
April ...	" " " " ..	251 13	45 85	296 98	
May	" " " " ..	218 02	172 06	390 08	
June ...	" " " " ..	204 75	90 40	295 15	
July	" " " " ..	199 37	145 32	344 69	
Aug.....	" " " " ..	155 25	136 10	291 35	
Sept....	" " " " ..	197 62	59 26	256 98	
Oct	" " " " ..	266 12	64 12	330 24	
Nov	" " " " ..	331 88	97 84	429 22	
					$4,023 92
1896.					
Dec	Court Houses.....		220 01	$220 01	
1897.					
Jan.....	" "		338 21	338 21	
Feb	" "		383 25	383 25	
March .	" "		373 00	373 00	
April ...	" "		253 18	263 18	
May....	" "		125 15	125 15	
June ...	" "		92 48	92 48	
July....	" "		66 84	66 84	
Aug	" "		111 69	111 69	
Sept....	" "		331 63	331 63	
Oct	" "		381 96	381 96	
Nov....	" "		396 04	396 04	
					3,093 44
	Total.....				$7,097 36

The foregoing statement shows an expense for lighting of ($7,097.36) for the last fiscal year.

From research and investigation, I am convinced that a saving of nearly one-half of that amount can be saved to the city.

The large basement in the City Hall is well adapted to the erection of an electric plant, which could be utilized—not alone for the City Hall, but the New Court House, now under construction, could be supplied from the same plant.

The four large boilers in the basement, now used for heating, can be utilized to produce the steam to propel necessary engines and

dynamos in producing the requisite electric current. This will not interfere with the present heating system.

I am persuaded that it would only require about twenty thousand dollars ($20,000) to erect a substantial plant as suggested. Very little extra expense need be required for labor, etc., after completion of the work, which would consist of two engineers for engines and dynamos, and about 100 tons extra coal. The present fireman could attend to the duty, as at present;—perhaps, an extra fireman may be required. But for results as I have indicated let us consult the figures.

We now have an expenditure for lighting,—gas and electric current,—of $7,097.36, per year.

An appropriation of $20,000 required to erect plant.	
Interest on same at four per cent. per year.....	$800 00
Two engineers at $1,000.....	2,000 00
One extra fireman	900 00
One hundred tons coal extra, at $4.50.....	450 00
	$4,150 00

By this statement it will be seen that the expenditure indicated would save to the city nearly $3,000 per annum, and this statement does not contemplate the current required for the many fans in use during the summer months.

Believing the foregoing statements may meet with your impartial consideration, I will recommend that the Mayor and City Council appoint a committee to investigate that important matter.

SECOND—THE CITY HALL ELEVATOR,

Requires but few words from the Superintendent of Public Buildings. The antiquated affair now in use is familiar to your honorable body, and the public as well.

New elevators are needed, they will cost some money, tis true; the one we now have, however, may cost the city much more than new ones.

THIRD—THE ILLUMINATED CLOCK IN THE DOME.

The functions of which are not only an ornament to the building but at the same time of great service to the masses.

The clock, as a time-keeper, is supplied with fairly good electric works, that renders it practically correct—the hands on the dial indicating the correct time, day and night.

The electric machinery, however, that controls the striking of the hours is now, and has been for several years, unsatisfactory; this machinery is old and of antiquated construction, the wear and tear of which has rendered that part of the clock inaccurate, or, perhaps, dumb.

In order to give to the people the benefit of this striking feature frequent repairs were necessary, the expense of which has been steadily increasing year after year; these repairs the past year have been so expensive, that I declined to entertain further requisitions for repairs, hence, for several weeks, the clock has been dumb.

I would, therefore, recommend that if it be the sense of the Honorable Mayor and City Council to continue the use of the striker, that an appropriation of "say" one thousand dollars ($1,000) be made for new modern machinery.

PERSONAL.

Your Superintendent has, for the past year, endeavored to give the city his faithful services, to use his best judgment to protect the city's interests. In all purchases he has demanded of trades-people to regard the city as a wholesale purchaser, and in the disbursement of supplies the store room is kept under lock and key, and every item, no matter how small, is charged to account of the department making the requisition.

I point with special gratification to the cleanliness and sanitary condition of the corridors and rooms of all the buildings in charge of this department, especially the marked transformation of the Court Houses. The City Hall is the best kept public building that has as yet come to my notice anywhere in the country. I would be indifferent of appreciation did I not commend Mrs. Ruff, forewoman, and her corps of faithful charwomen, for this condition of good housekeeping.

In conclusion, I beg to respectfully suggest (not in a spirit of complaining so much as a matter of justice), that one year has been

spent as Superintendent, likewise performing the duties of book-keeper, either of which are attended with great labor, and no matter whether the present Superintendent, or his successor, shall be in charge, a competent clerk is a necessity. I, therefore, beg your generous hand to make provisions for, say, ($1,000) per year, for a Clerk to the Superintendent of Public Buildings.

Respectfully submitted.

THEODORE F. LANG,
Superintendent of Public Buildings.

FOURTEENTH ANNUAL REPORT

— OF THE —

Board of Fire Commissioners,

— AND —

Thirty-Ninth Annual Report of the Fire Department,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1897.

Officers of the Fire Department.

FIRE COMMISSIONERS:

A. ROSZEL CATHCART, - - - - PRESIDENT.
HON. WILLIAM T. MALSTER, *Ex-officio.*
R. H. GILBERT. J. H. McFAUL.

SECRETARY AND CLERK:

STANLEY BAKER.

ASSISTANT CLERK:

WALTER E. HILL.

CHIEF ENGINEER:

WILLIAM C. McAFEE.

DISTRICT ENGINEERS:

First District, - - - GEORGE W. HORTON.
Second " - - - AUGUST EMRICH.
Third " - - - - - FREDERICK BRANAN.
Fourth " - - - FIELDING H. LUCAS.
Fifth " - - - LEVIN H. BURKHARDT.
Sixth " - - - WILLIAM H. HARTMAN.

SUPERINTENDENT OF MACHINERY:

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH:

LEONA LEMON.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL,

BALTIMORE, January 1, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In compliance with the provisions of the City Code, Article 20, Section 7, the Report of the Board of Fire Commissioners for the fiscal year ending December 31, 1897, is herewith submitted.

Embodied herein will be found the report of the Chief Engineer, setting forth in detail the operations of the department during the year, its present condition and its requirements for the ensuing year, the salient features of which, briefly summarized, are as follows, viz.:

First. That alarms of fire are annually increasing in number, necessitating a corresponding increase in facilities for affording protection against the increasing risk.

Second. That the apparatus of the department is at present in the highest state of efficiency, but is entirely inadequate to the requirements of the service.

Third. That the necessity for additional engine companies, an additional hook and ladder company, an additional fire-boat and an additional water-tower is urgent.

Fourth. That the lack of sufficient fire-alarm boxes continues to subject the public to delay in notifying the department of fires.

Fifth. That the menace to life and property from overhead wires is constantly increasing.

FIRES.

Incident to an increase in the number of alarms is the necessity for additional equipment to cover a constantly extending field of operations.

During the past year the department has promptly responded to every call and has proved competent to meet every emergency, and, while the city has not witnessed a great or serious conflagration such as has visited neighboring cities, it has been the theatre of several fires of sufficient magnitude to have occasioned severe loss had they not been handled with promptness and signal ability. Fortunately, two or more such fires have not occurred at any one time, and the necessity for additional apparatus has, perhaps, not been made strikingly apparent, but the necessity exists, and the emergency will sooner or later arise, when, because of lack of sufficient apparatus, great and unnecessary loss will be suffered.

ADDITIONAL EQUIPMENT.

In the report of last year the attention of your honorable body was called to the imperative necessity of the department being supplied with an additional fire-boat, and an additional water-tower, for the reason that if either of these important pieces of apparatus at present in service, should be disabled, the city would be to that extent at the mercy of the flames. The wisdom of this recommendation has been fully demonstrated.

During the year while the "Cataract" was out of service, undergoing repairs, a fire started on the water front in the plant of the Tunis Lumber Company. The entire plant, together with adjoining buildings and a vast quantity of lumber, was destroyed. Had the "Cataract" been in service the fire, in all probability, would have been confined to the point of origin.

The efficiency of the water-tower has during the past year been demonstrated time and again.

This piece of apparatus is used mainly in the centre of the city. Should a fire occur in any of the large buildings in this section and the tower be out of service, the department would be most seriously handicapped, and the work of quickly subduing the fire rendered a matter of exceeding difficulty.

The Board of Fire Commissioners will come before your honorable body with special ordinances covering the pressing requirements of the service, and which are as follows:

An additional fire-boat.

An additional water-tower.

An additional hook and ladder truck company, to be located on North avenue, in the vicinity of North avenue bridge.

Four additional engine companies, to be located as follows, viz.:

One in the vicinity of Pratt and Carey streets.

One in the vicinity of Caroline and Lancaster streets.

One in the vicinity of Chesapeake and Hudson streets.

One on the York Road, in Waverly.

Twenty additional members to be added to the manual force of the department, in order to give to each company a competent working complement at all hours.

It is earnestly hoped that these ordinances will receive your most careful consideration, and that they will meet with your unqualified approval and endorsement.

NEEDED LEGISLATION.

The several recommendations of the Chief Engineer calling for action upon the part of your honorable body, have the hearty approbation of this Board, and should receive prompt consideration at your hands, as they pertain to the proper protection of the lives of the residents of the city.

APPARATUS.

During the past year needed improvements and valuable additions have been made to the apparatus of the department, it being the aim of the Board to have the department equipped with the latest and most approved fire-fighting appliances.

NEW COMPANY.

On December 15 No. 21 Engine Company was organized and placed in service, being quartered in the new house located corner Roland avenue and Oliver Place, Hampden.

PROBATIONERS.

By authority of your honorable body, ten additional probationary firemen were during the year added to the roster of the department, thereby greatly augmenting its strength.

OVERHEAD WIRES.

In the report of 1896 your attention was called to the fact that the work of the department was seriously obstructed and human life greatly endangered by reason of overhead wires.

During the past year the department has suffered continued annoyance and inconvenience from this source, and upon many occasions the lives of the members have been placed in extreme jeopardy.

The network of wires prevents the apparatus from getting near buildings; destroys the effectiveness of the streams of water; hinders and prevents the raising of ladders, and often the apparatus is rendered useless by becoming charged with electricity.

The measure at present pending before your honorable body, looking to the burial of all overhead wires, is of vital importance to this department, as well as to the public at large, and it is hoped that it will be the subject of early and favorable legislation.

FIRE-ALARM BOXES.

In our general estimate of expenses for the year 1897 was included item $12,500 for the purpose of erecting 75 additional fire-alarm boxes. This amount was not granted. The need for these boxes grows with the growth of the city, and this item will be included in our general estimate of expenses for 1898.

POLICE AND FIRE-ALARM TELEGRAPH.

The report of the Superintendent of Fire-Alarm Telegraph shows that the efficiency of this important branch of the service has during the year been greatly increased, by a change of quarters and the substitution of the storage battery system for the old gravity system.

Additional and improved apparatus is much needed, however, in this department, and in our general estimate of expenses for 1898, we have provided for the cost of a new three-dial repeater, and a change of the telephone system, at present in vogue, to one more modern and reliable.

PERSONNEL.

During the year a number of promotions, retirements and removals have been made, looking to the increased efficiency of the service. Meritorous work upon the part of individual members has been duly recognized. The manual force of the department is thoroughly proficient.

REPORTS.

The attention of your honorable body is called to the report of the Chief Engineer, and to the report of the Superintendent of Police and Fire-Alarm Telegraph, embodied herein.

SCHEDULES AND ESTIMATES.

Schedules are herewith submitted showing receipts and disbursements for the year ending December 31, 1897; also an estimate of the financial requirements for the year 1898.

A. ROSZEL CATHCART, *Pres't.*,
R. H. GILBERT,
J. H. McFAUL,
} *Fire Commissioners.*

ESTIMATE FOR 1898—CITY.

Salaries		$285,800 00
Apparatus	$6,000 00	
Apparatus repairs	9,000 00	
Accident	2,500 00	
Feed	15,000 00	
Fuel	5,000 00	
Furniture	3,000 00	
Harness	1,500 00	
Horseshoeing	3,500 00	
Hose	10,000 00	
Horses	7,500 00	
Gas	2,000 00	
Oils, paint and store-room account	4,500 00	
Office expenses	1,500 00	
Wharf rent	600 00	
Rent of telephones	1,000 00	
Miscellaneous	2,500 00	
Washing	2,600 00	
Insurance of members	2,053 12	
Sick	1,500 00	
Ex-members	10,000 00	
Police and Fire-alarm Telegraph	32,000 00	
75 fire-alarm boxes	12,500 00	
		$135,753 12
		$421,553 12

ESTIMATE FOR 1898—ANNEX.

Salaries		$43,300 00
Apparatus	$ 600 00	
Apparatus repairs	1,200 00	
Accident	250 00	
Feed	3,500 00	
Fuel	1,100 00	
Furniture	350 00	
Harness	550 00	
Horseshoeing	890 00	
Hose	600 00	
Horses	3,100 00	
Gas	400 00	
Oils, paints and store-room account	850 00	
Rent of telephones	45 00	
Miscellaneous	350 00	
Washing	400 00	
Insurance of members	333 98	
Sick	200 00	
Police and Fire-alarm Telegraph	1,000 00	
Ten fire alarm boxes	1,250 00	
		$16,968 98
		$60,268 98
Special appropriation, equipment No. 21 Engine Company		25,000 00
		$85,268 98

APPROPRIATIONS.

Amount appropriated by the Mayor and City Council out of general levy for 1897	$386,300 00	
Amount appropriated by the Mayor and City Council—special	9,200 00	
		$395,500 00
Amount drawn from City Comptroller		395,424 80
Balance undrawn		$75 20

SPECIAL APPROPRIATION.

Amount appropriated to repair the fire-boat "Cataract".	$9,200 00
Amount drawn from Comptroller	9,200 00

GENERAL STATEMENT.

Amount drawn from City Comptroller, account "general appropriation"	$386,224 80	
Amount drawn from City Comptroller, account "special appropriation"	9,200 00	
Amount received from sale of manure and old material	603 60	
		$396,028 40
Expenditures, account department	$395,424 80	
Amount paid to City Register	603 60	
		$396,028 40

EXPENDITURES—CITY.

Salaries		$286,286 00
Apparatus	$6,090 64	
Apparatus repairs	12,465 98	
Accident	3,654 38	
Feed	11,085 82	
Fuel	3,734 59	
Furniture	2,045 69	
Harness	1,813 20	
Horseshoeing	3,154 13	
Hose	6,980 00	
Horses	6,235 00	
Gas	1,534 12	
Oils, paints and store-room, etc	3,352 17	
Offices expenses	1,045 91	
Wharf rent	700 00	
Rent of telephones	956 25	
Miscellaneous	2,780 54	
Washing	2,529 00	
Insurance of members	2,271 50	
Ex-members	7,042 59	
Sick	1,018 10	
Police and Fire-alarm Telegraph	19,449 19	
		$99,938 80
		$386,224 80
Special appropriation, fireboat "Cataract"		9,200 00
		$395,424 80

COMPANY EXPENDITURES—City.

No. 1	Engine Company	$12,849 09	
" 2	" "	12,773 60	
" 3	" "	12,209 26	
" 4	" "	12,816 54	
" 5	" "	12,446 98	
" 6	" "	12,989 91	
" 7	" "	13,113 36	
" 8	" "	12,777 60	
" 9	" "	12,462 74	
" 10	" "	12,180 05	
" 11	" "	12,444 95	
" 12	" "	13,171 18	
" 13	" "	11,256 90	
" 14	" "	12,186 09	
" 15	" "	22,758 08	
" 16	" "	26,384 46	
" 17	" "	11,991 96	
" 19	" "	11,687 20	
" 1	Hook and Ladder Company	11,580 08	
" 2	" " " "	11,698 49	
" 3	" " " "	11,400 70	
" 4	" " " "	11,889 10	
" 5	" " " "	12,182 20	
" 6	" " " "	11,768 55	
" 10	" " " "	11,995 55	
Officers' salaries and expenses		18,532 63	
Probationary Firemen		6,087 10	
Office expenses		1,045 91	
Ex-Members		7,442 59	
Police and Fire-alarm Telegraph		24,721 73	
Reserve		1,560 62	
Miscellaneous		2,041 62	
Store room		2,977 98	
			$395,424 80

FINANCIAL STATEMENT OF THE FIRE DEPARTMENT FOR TWELVE MONTHS ENDING DEC. 31, 1897.

Dr.		Cr.	
January, drawn from City Comptroller..	$31,853 15	January, expenditures.....	$31,853 15
February, " " " " ..	30,762 19	February, "	30,762 19
March, " " " " ..	33,352 88	March, "	33,352 88
April, " " " " ..	31,245 56	April, "	31,245 56
May, " " " " ..	29,415 22	May, "	29,415 22
June, " " " " ..	29,072 71	June, "	29,072 71
July, " " " " ..	30,067 67	July, "	30,067 67
August, " " " " ..	30,328 19	August, "	30,328 19
September, " " " " ..	31,917 60	September, "	31,917 60
October, " " " " ..	38,307 56	October, "	38,307 56
November, " " " " ..	43,543 19	November, "	43,543 19
December, " " " " ..	35,558 88	December, "	35,558 88
	$395,424 80		$395,424 80

APPROPRIATIONS—ANNEX.

Amount appropriated by the Mayor and City Council out of general levy for 1897.	$46,700 00	
Amount appropriated by the Mayor and City council, "special"	25,150 00	
		$71,850 00
Amount from City Comptroller		71,771 49
Balance undrawn		$78 51

SPECIAL APPROPRIATIONS.

Amount appropriated to equip No. 20 Engine Company and place in service	$24,650 00
Amount drawn from City Comptroller	24,650 00
Amount appropriated to purchase and erect fire-alarm boxes	$500 00
Amount drawn from City Comptroller	500 00

GENERAL STATEMENT.

Amount drawn from City Comptroller, account "general appropriation"	$47,021 49	
Amount drawn from City Comptroller, account "special appropriations"	25,150 00	
		$72,171 49
Expenditures, account department		72,171 49

EXPENDITURES—ANNEX.

Salaries		$32,696 91
Apparatus	$2,600 00	
Apparatus repairs	3,133 83	
Accident	60 43	
Feed	2,557 87	
Fuel	584 18	
Furniture	359 25	
Harness	153 71	
Horseshoeing	575 00	
Horses	1,403 00	
Gas	255 51	
Oil, paints and store-room, etc	682 55	
Office expenses	16 50	
Rent	25 00	
Rent of telephones	35 00	
Miscellaneous	374 99	
Washing	282 25	
Insurance of members	283 20	
Sick	25 45	
Police and Fire-alarm Telegraph	516 86	
		$13,924 58
		$46,621 49
Special appropriation No. 20 Engine Co.		24,650 00
Special appropriation fire-alarm boxes		500 00
		$71,771 49

COMPANY EXPENDITURES—ANNEX.

No. 1 Chemical Company	$3,188 64	
" 2 " "	3,017 42	
" 3 " "	3,336 97	
" 4 " "	3,215 92	
" 5 " "	3,009 14	
" 6 " "	2,886 99	
" 7 " "	4,355 99	
" 18 Engine "	12,488 52	
" 7 Hook and Ladder Company	824 03	
" 8 " " " "	836 51	
" 9 " " " "	805 89	
Officer salary and expenses	2,186 64	
Police and Fire-alarm Telegraph	1,051 86	
Reserve	4,838 00	
Store-room	547 74	
Miscellaneous	531 23	
		$47,121 49
No. 20 Engine Co., special appropriation.		24,650 00
		$71,771 49

FINANCIAL STATMENT OF THE FIRE DEPARTMENT, ANNEX, FOR TWELVE MONTHS ENDING DECEMBER 31, 1897.

Dr.		Cr.	
January, drawn from City Comptroller	$7,134 97	January, expenditures	$7,134 97
February, " " "	7,658 18	February, "	7,658 18
March, " " "	4,670 98	March, "	4,670 98
April, " " "	4,573 65	April, "	4,573 65
May, " " "	6,041 28	May, "	6,041 28
June, " " "	8,860 96	June, "	8,860 96
July, " " "	4,701 78	July, "	4,701 78
August, " " "	5,416 91	August, "	5,416 91
September, " " "	4,078 49	September, "	4,078 49
October, " " "	4,578 35	October, "	4,578 35
November, " " "	4,438 23	November, "	4,438 23
December, " " "	9,617 71	December, "	9,617 71
	$71,771 49		$71,771 49

RECAPITULATION.

Account.	Appropriation.	Expenditures.	Balance.
City Department.	$386,300 00	$386,224 80	$75 20
Special, "Cataract".....	9,200 00	9,200 00	.....
	$395,500 00	$395,424 80	$75 20
Annex Department.....	46,700 00	46,621 49	78 51
Special, No. 20 Engine Co.	24,650 00	24,650 00	.....
Special, fire-alarm boxes..	500 00	500 00	.....
	$467,350 00	$467,196 29	$153 71
Old material.....	.....	.....	603 60
			$767 31

REPORT

OF THE

CHIEF ENGINEER.

REPORT.

The Honorable Board of Fire Commissioners:

GENTLEMEN:—I respectfully submit herewith my second Annual Report, it being the 39th Annual Report of the paid Fire Department of this City.

FIRES

During the year 1897 more alarms were responded to by the department than in any previous year since the organization of the paid Department. The record for 1897 shows that a total of 1110 alarms were received and responded to, of which number 815 were received from street and automatic boxes and 295 by telephone or verbally, termed silent alarms.

The record for 1896 was, box and automatic alarms 720, silent alarms 265, showing an increase in favor of 1897 of 95 box alarms, and 30 silent alarms, or a total increase of 125 alarms. This increase is but the natural result of the growth and development of our city, and a corresponding increase may be looked for with reasonable certainty from year to year.

The total loss for the year, so far as can be ascertained, was———————representing an insured value of———————being an increase in loss over last year of———————. While it is to be expected that the fire loss will increase correspondingly with the increase in the number of alarms, a large amount of the increase for 1897 is accounted for by the fact that the department was deprived of the service of the fire-boat, it being out of service undergoing extensive repairs, at the Tunis fire, which occurred on the 15th of August, 1897. Had the fire-boat been in service at this fire the loss would have been reduced not less than 65 per cent., which fact in itself forms a convincing argument in favor of the early organization and equipment of another company of this description.

An examination of the list of notable fires, which accompanies this report will prove interesting. Under this head will be found all the fires, the loss at which exceeded $5,000, there being 12 fires of this description. The record of each of these alarms will show that but a short interval elapsed between the receipt of the first alarm and the sounding of the second, third or general alarm, evidencing the fact that the fire had assumed dangerous proportions by the time of the arrival of the first officer on the ground.

The table of comparative statistics, which will be found on another page of this report, shows that we are still far behind other cities much smaller in size, in the matter of fire department equipment, fire alarm boxes, and fire hydrants.

APPARATUS.

The condition of the apparatus in service is all that could be desired. Extensive repairs have been made during the year and much added in the way of improvement.

On June 12, 1897, the fire-boat "Cataract" was placed out of service for the purpose of having new iron deck beams placed in same, and all the woodwork above and including the deck, replaced with new material. Upon examination it was found that, although the boat had been in service but six years, the hull was in such condition as to necessitate the removal of all of the planking, and a greater portion of the timbers, which were replaced with new material of the very best description.

The repairs to the boat were completed and the boat placed in service on September 4th, 1897, being practically a new boat, having nearly an entire new hull, the wooden deck beams replaced with iron ones and the number of beams increased, giving greater strength to the hull, a new deck, deck house, pilot-house, steering gear and propeller wheel.

During the time the boat was out of service, the boilers, machinery and fire-pumps were thoroughly overhauled and repaired, and are now in the best possible condition. A new air compressor was placed in the boat and connected with the air chambers of fire-pumps. The storage capacity for fresh water has been

more than doubled by the replacing of the iron tank formerly used for this purpose, with a lead-lined wooden tank of larger capacity, and the erection in the forward hold of an additional tank of the same kind. All of the iron piping on the boat was replaced with brass pipes. New injectors of the latest improved type were connected with boiler. All of the valves on the boat were replaced with new ones of an improved pattern. The discharge pipes from fire-pumps were extended aft and a Monitor nozzle placed on top of deck house, aft. Openings were also provided for four lines of hose on after end of deck house. The hull was ironed and the entire interior and exterior of boat painted.

The hose wagons of Engine Companies 1, 2, 5, 7, 8, 9, 11 and 12 were fully equipped with chemical tanks, hose, etc., and one of the combination wagons of Engine Co. No. 20 was placed in service with Engine Co. No. 4. Thirteen of the hose wagons in service are supplied with the chemical equipment.

Engine No. 10 was rebuilt, having had a new La France boiler placed on same, new platform springs added, all the machinery and pumps overhauled and repaired and the engine painted.

A new second size Hayes Hook and Ladder Truck was purchased and placed in service with No. 4 H. & L. Co. The truck now in service with No. 4 H. & L. Co. will be placed in reserve after being repaired and painted.

The efficiency of the Water Tower has been materially increased by the addition of two Monitor nozzles, placed on the rear of frame or deck of tower. These nozzles are equipped to throw either $1\frac{1}{2}$, $1\frac{3}{4}$ or 2 inch streams, and can be easily and perfectly controlled by one man.

A new third size engine built by the La France Engine Co. was received, tested and placed in service with Engine Co. No. 20.

Two combination wagons built by C. T. Holloway were received and placed in service.

HORSES.

There are at present in service with companies and in reserve, 176 horses. During the year 55 were purchased, 34 condemned

for various causes and 7 died. There were 120 cases of sickness and injury treated at the hospital, of which number 58 were from companies located east of Charles street, and 62 from companies located west of Charles street.

NEW COMPANY.

On December 15, No. 21 Engine Co., located at Roland Avenue and Olive Place, Hampden, was placed in service. An Engine Company has long been needed in this section, which is largely built up of frame buildings, principally dwellings.

NEW MEMBERS.

On October 1 ten additional probationary firemen were appointed, making the total number of probationary firemen, twenty.

NEW FIRE-PLUGS.

The number of fire plugs erected during the year was 137, making a total in service of 1,964. This number is about one-half what it should be.

The reservoir system could be introduced in the mercantile and manufacturing districts which would obviate the necessity of erecting additional plugs in these districts, at the same time enabling the department to concentrate its forces in the immediate vicinity of a fire. A system of piping through which water could be forced by the fire-boat would greatly assist the department in its work adjacent to the water front. Both of these systems are in successful operation in other cities, and I would respectfully suggest that the matter be brought to the attention of the Water Department for its consideration.

OVERHEAD WIRES.

During the year the work of the department has been greatly obstructed and delayed by overhead wires, the number of which seems to be on the constant increase, and while much has been said and written in favor of their interment, no stronger or more

convincing argument could be produced than the experience of the department with them at large fires, any one of which will serve as an object lesson to illustrate the danger to life and property the wires present.

RECOMMENDATIONS.

In my last annual report to the Board, a number of recommendations which require legislative action, were made, with the view of affording additional protection to life and property by placing the department on a fair working basis, and while some of them have been acted upon and carried into effect, the fact that the greater number of them are still in abeyance, compels me to again bring them to your attention as follows:

A hook and ladder company should be placed in service on North Avenue near the west approach of North Avenue bridge.

An engine company should be placed in service in the vicinity of Caroline and Lancaster streets.

An engine company should be placed in service in the vicinity of Chesapeake and Hudson streets.

An engine company should be placed in service in the vicinity of Pratt and Carey streets.

An additional fire-boat should be built, equipped with the full completement of officers and men, and placed in service. The necessity for another fire-boat was plainly demonstrated at the Tunis fire at Canton, which occurred at a time when the "Cataract" was out of service undergoing repairs.

An additional water tower should be purchased and placed in service as soon as possible, for in the event of the disablement of the Tower now in service, which is liable from many and various causes to occur at any time, we have nothing to take its place. Experience at fires in the mercantile and manufacturing districts has repeatedly demonstrated the fact that the services of a water tower are indispensable, and I trust this matter will receive your early and favorable consideration.

An engine company should be placed in service in the vicinity of York road and Gorsuch avenue, and Chemical Engine Com-

pany No. 4, now located in this section, abolished. The members now forming Chemical Engine Company No, 4 should be transferred to No. 7 Hook and Ladder Company, which company would be quartered in the same building with the engine company above mentioned.

One member should be added to each of the following companies: Engine Companies 1, 3, 5, 7, 8, 9, 10, 11, 12, 13, 14, Hook and Ladder Companies 1 and 2, Chemical Engine Companies 1, 2, 3, 5, 6 and three members to No. 8 Hook and Ladder Company.

I consider the early adoption of the above recommendations to be of the utmost importance, for, as I stated in my last annual report to the Board, with the present force the city cannot be properly protected in the event of two or more fires occurring in different parts of the city at the same time.

I desire also to call your attention to the necessity for legislation covering the following:

The erection in each of the public schools of a fire alarm box, to be connected with the fire alarm telegraph system, thus placing these buildings, which are daily filled with children, in direct communication with the Fire Department.

The compulsory erection in all theatres, concert halls or other places of public gathering, which may be designated by this department, of a fire-alarm box, to be connected with the fire-alarm telegraph system; also the installation in all buildings of this character, of such appliances for the extinguishment of fire as the department may direct. Overcrowding of theatres, concert halls, etc., should also be prohibited by law. Uniformed firemen should be detailed at each performance or gathering, to see that the provisions of the law and the regulations of the Fire Department were carried out, as well as to prevent, if possible, the occurrence of fire.

Each room in all hotels, boarding houses, lodging houses or buildings similarly occupied, should be provided with a portable fire-escape of a kind to be approved by this department.

The law relative to the erection of fire-escapes should be

amended or re-enacted in such form as to bring within its scope buildings not included in the present law, but which should be provided with fire-escapes.

APPARATUS IN SERVICE.

Twenty steam fire engines, 6 chemical engines, 7 Hayes aerial trucks, 3 bank ladder trucks, 13 combination wagons (chemical engine and hose wagon), 7 hose wagons, 19 hose carriages, 1 fire-boat, 1 water tower, 7 Concord wagons (used by officers), 1 wagon used by Superintendent of Machinery, 1 supply wagon, 3 wagons for linemen, 1 large wagon used by Fire Alarm Telegraph Department, and 3 carriages for use of Commissioners and Superintendent of Police and Fire-alarm Telegraph.

RESERVE APPARATUS.

Four steam fire engines, 3 Hayes aerial trucks, 1 bank ladder truck, 4 Concord wagons, 3 chemical engines, 2 hose carriages and 1 truck for moving disabled apparatus.

DEATHS.

During the year there was but one death in the department. Lieut. A. J. Walter, No. 13 Engine Company, was found dead in his home on the morning of September 25. Death was caused by heart failure. Lieut. Walter had been a member of the department for twenty-seven years.

CHANGES.

During the year the following changes were made in the uniformed force of the department:

Deaths, 1; resignations, 5; retired on pension, 3; dropped on account of physical disability, 1; dismissals, 33; appointments, 64; promotions, 93; transfers, 137. Annexed to this report are tabulated statements of fires, losses, causes, working time of companies, etc.

In conclusion, I desire to thank the Board for the unfailing sup-

port and encouragement offered during the past year, in effecting any good results which may have been obtained, and the officers and members of the uniformed force for their untiring zeal and continued efforts to promote the efficiency of the department.

Thanks are also due the Police Department for its hearty co-operation in the work of our department.

I wish also, to thank the officers and members of the Fire Insurance Salvage Corps for assistance rendered the department on the fire ground, and for statistics, relative to losses and insurances furnished this department.

Respectfully submitted,

WILLIAM C. McAFEE, *Chief Engineer.*

COMPARATIVE FIRE DEPARTMENT STATISTICS.

	Area Sq. Miles.	Population.	Engine Companies.	Hook and Ladder Companies.	Chemical Engine Companies.	Water Towers.	Fire-boats.	Members.	Fire-plugs.	Fire-cisterns.	Fire-alarm Boxes.	Status as to Population.	Status as to Fire Department.
New York.....	64	2,000,000	64	22	..	3	3	1,140	11,000	....	1,200	1	2
Chicago.....	186⅝	1,750,000	80	27	21	2	4	1,135	17,375	....	1,227	2	1
Philadelphia..	129¼	1,188,793	46	9	5	1	1	736	10,038	....	930	3	4
Brooklyn	73¼	1,180,000	55	13	12	1	2	855	6,450	....	1,116	4	3
St. Louis.....	62½	650,000	35	11	12	2	..	481	5,550	....	914	5	6
Baltimore.....	32½	501,000	20	10	7	1	1	384	1,964	....	373	6	13
Boston.....	37	500,000	43	17	14	2	2	764	6,996	117	590	7	5
Buffalo.....	42	389,138	26	9	5	1	2	423	4,200	....	414	8	8
Cincinnati....	36½	355,000	27	10	2	1	..	317	3,500	....	444	9	11
San Francisco.	42	350,000	34	7	6	2	..	565	3,421	....	261	10	7
Detroit	29½	305,000	21	9	6	1	1	383	3,200	587	405	11	12
New Orleans..	46	300,000	27	7	11	1	..	288	1,374	76	211	12	9
Pittsburg.....	28	289,000	28	8	5	..	..	324	2,284	....	390	13	10
Milwaukee....	23	285,000	19	8	8	1	3	345	2,300	....	344	14	14
Louisville.....	20½	215,572	17	5	1	1	..	198	173	670	275	15	16
Minneapolis...	52	200,000	19	6	8	1	..	312	3,000	....	280	16	15
St. Paul.....	54	175,500	12	7	3	1	..	193	2,232	....	164	17	17

DESCRIPTION OF ENGINES.

Engines.	Built by	When Built.	Rebuilt by	When Rebuilt.	Size.	Cylinders. Diam.	Cylinders. Stroke.	Pumps Diam.	Pumps Stroke.	Boilers. Diam.	Boilers. Height	Gallons per Minute.	Weight as Drawn to Fires.	Style of Engine.
No. 1	La France Co.	1893			2d	8½	8	4⅜	8	33	62	750	8,200	Vertical, crane-neck, piston double.
" 2	La France Co.	1889			1st	8½	8	5	8	33	60	900	9,600	" " " "
" 3	Ives & Bro.	1871	La France Co.	1892	1st	8½	10	5	10	38	61	1,000	10,760	" " " "
" 4	La France Co.	1892			1st	8½	9	5	9	36	60	900	9,600	" " " "
" 5	La France Co.	1891			3d	7⅝	8	4¼	8	30	60	600	7,120	Double vertical, crane-neck, piston.
" 6	La France Co.	1890			2d	8¼	8	4⅝	8	32	60	700	8,500	Vertical, crane-neck, piston double.
" 7	La France Co.	1898			2d	8	9	4⅝	9	33	62	700	8,000	Double vertical, crane-neck, piston.
" 8	La France Co.	1888			3d	8½	6	4⅜	6	30	60	600	7,100	Vertical, crane-neck, piston double.
" 9	La France Co.	1886			2d	7⅝	8	4⅜	8	32	60	700	7,480	" " " "
" 10	Clapp & Jones	1886	La France Co.	1897	2d	7½	7	4⅝	7	32	60	700	7,180	" " " "
" 11	La France Co.	1889			2d	8¼	8	4⅜	8	34	60	750	8,400	" " " "
" 12	La France Co.	1894			2d	8¼	8	4⅜	8	33	62	750	8,660	" " " "
" 13	Silsby Manufacturing Co	1887			2d	Rotary pump.				34	60	600	6,700	Rotary, " " "
" 14	Clapp & Jones	1888			3d	7	7	4⅜	7	32	60	600	6,990	Vertical, " " "
" 15	Clapp & Jones	1891			1st	9¼	8	5¾	8	38	62	1,000	9,460	" " " "
" 16	Hull—Brusstar Bros. Pump—Thos. Manning Engine—E. J. Codd Co.	1891				16	10	9	10	.....		4,400	.....	Double vertical pumps.
" 17	La France Co.	1895			2d	8¼	8	4⅜	8	33	62	750	8,700	Vertical, crane-neck, piston double.
" 18	La France Co.	1893			3d	7⅝	8	4¼	8	32	60	600	7,000	Vertical, crane-neck piston, double.
" 19	La France Co.	1895			3d	7⅝	8	4¼	8	32	60	600	7,100	" " " "
" 20	La France Co.	1897			3d	7½	8	4¼	8	30	60	650	8,950	" " " "
" 21	Clapp & Jones Co.	1885			3d	6¾	7	3¾	7	32	60	500	6,700	Horizontal, half crane-neck, piston double.

* Fire-boat.

DESCRIPTION OF ENGINES—Continued.

Engines.	Built by	When Built.	Rebuilt by.	When Rebuilt.	Size.	Cylinders. Diam.	Cylinders. Stroke.	Pumps Diam.	Pumps Stroke.	Boilers. Diam.	Boilers. Height	Gallons per Minute.	Weight as Drawn to Fires.	Style of Engine.
† A	Ives Bros.	1872	La France Co.	1885	3d	10	12	5¼	12	34	62	500	7,800	Single horizontal, straight frame.
† B	Poole & Hunt	1860	Clapp & Jones	1884	3d	10	12	5	12	32	60	400	7,500	Single vertical, " "
† C	Ives Bros.	1876			3d	10	12	5	12	30	62	400	7,500	Single horizontal, " "
† D	Ives Bros.	1874	Clapp & Jones	1884	3d	7	7	3⅝	7	32	60	500	7,000	Double " " "
† E	Ives Bros.	1877			3d	10	12	5	12	32	60	400	7,500	Single " " "
† F	Ives Bros.	1875	La France Co.	1883	1st	8	10	4⅜	10	38	62	900	9,400	Double vertical, crane-neck piston.

† Reserve.

HOSE.

Engine Companies.	Fabric Hose Received.	Fabric Hose Required.	Fabric Hose in Service.	Fabric Hose Condemned.	Gum Hose in Service.	Gum Hose Condemned.	Chemical Hose Received.	Chemical Hose Required.	Chemical Hose in Service.	Chemical Hose Condemned.
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet..	Feet.
No. 1	800	400	3,675	600	50	100	200	50	200	.....
" 2	.....	600	3,650	200	.....	.....	200	50	200	.....
" 3	.....	1,000	3,450	100	.....	.....	.....	50	200	.....
" 4	200	200	3,650	225	.....	.....	200	50	200	.....
" 5	700	.....	3,200	450	50	.....	200	50	200	.....
" 6	400	500	3,350	200	.....	.....	200	50	200	.....
" 7	500	400	3,450	650	.....	.....	200	50	200	.....
" 8	600	.....	3,900	50	.....	.....	200	50	200	.....
" 9	300	500	3,300	300	.....	.....	200	50	200	.....
" 10	1,200	.....	3,950	350	.....	.....	.....	.....	.....	.....
" 11	500	500	1,800	.....	950	1,000	200	50	200	.....
" 12	1,250	500	1,250	.....	2800	700	200	50	200	.....
" 13	100	500	3,900	200	.....	.....	.....	.....	.....	.....
" 14	800	400	3,600	400	.....	.....	.....	.....	.....	.....
" 15	.....	{ 500–2¼ in. / 300–3 in.	3,650	150	.....	.....	.....	50	200	.....
" 16	.....	400–3 in. gum	1,550	.....	450	175	.....	200–1½ in.	150–1½ in.	50
" 17	300	1,000	300	.....	2900	100	.....	.....	.....	.....
" 18	.....	.....	3,800	.....	.....	.....	.....	.....	.....	.....
" 19	.....	.....	3,500	.....	.....	.....	.....	.....	.....	.....
" 20	3,000	.....	3,000	.....	.....	.....	200	50	200	.....
" 21	3,000	.....	.....	.....	.....	.....	.....	.....	.....	.....

HOSE.

Chemical Companies.	New Hose Received.	New Hose Required.	Hose in Service.	Hose Condemned.
	Feet.	Feet.	Feet.	Feet.
No. 1 Chemical Engine Company	.....	50	300	.....
" 2 " " "	100	.....	250	100
" 3 " " "	.....	50	450	50
" 4 " " "	.....	.....	400	.....
" 5 " " "	.....	100	350	50
" 6 " " "	.....	.....	350	50
" 7 " " "	100	.....	250	.....
Reserve engines and storeroom	.....	.....	950	.....

MANUAL FORCE OF THE DEPARTMENT.

OFFICERS.

Chief Engineer	1	
District Engineers	6	
Superintendent of Machinery	1	
		8

ENGINE COMPANIES.

No. 1 Engine Company	11	
" 2 " "	12	
" 3 " "	11	
" 4 " "	12	
" 5 " "	11	
" 6 " "	12	
" 7 " "	11	
" 8 " "	11	
" 9 " "	11	
" 10 " "	11	
" 11 " "	11	
" 12 " "	11	
" 13 " "	11	
" 14 " "	11	
" 15 " "	20	
" 16 " "	12	
" 17 " "	12	
" 18 " "	12	
" 19 " "	12	
" 20 " "	12	
" 21 " "	12	
		249

CHEMICAL ENGINE COMPANIES.

No. 1 Chemical Engine Company	3	
" 2 " " "	3	
" 3 " " "	3	
" 4 " " "	3	
" 5 " " "	3	
" 6 " " "	3	
" 7 " " "	4	
		22

HOOK AND LADDER COMPANIES.

No. 1 Hook and Ladder Company	11	
" 2 " " " "	11	
" 3 " " " "	12	
" 4 " " " "	12	
" 5 " " " "	12	
" 6 " " " "	12	
" 7 " " " "	1	
" 8 " " " "	1	
" 9 " " " "	1	
" 10 " " " "	12	
		85
Probationary firemen		20
Total active membership of the department		384
Disabled members pensioned		22
Total membership		406

SALARIES OF OFFICERS AND MEMBERS.

		Per Annum.
1	Chief of Department	$2,000 00
6	District Engineers, each	1,400 00
1	Superintendent of Machinery	1,400 00
28	Captains of engine and hook and ladder companies, each	1,100 00
29	Lieutenants of engine and hook and ladder companies, each	1,000 00
21	Enginemen, each	1,100 00
23	Assistant enginemen, each	900 00
14	Tillermen of hook and ladder companies, each	900 00
27	Hostlers of hook and ladder and engine companies, each	900 00
7	Captains of chemical engine companies, each	900 00
10	Hostlers of chemical engine and Annex hook and ladder companies, each	800 00
145	Pipemen, each	800 00
47	Laddermen, each	800 00
2	Pilots on fire-boat, each	1,000 00
3	Stokers on fire-boat, each	800 00
20	Probationary firemen, each	500 00
384	Officers and members.	
22	Members retired, each	400 00

NUMBER OF BOXES TO WHICH COMPANIES RESPOND.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total.
No. 1 Engine Company	59	163	62	284
" 2 " "	80	61	92	233
" 3 " "	67	78	46	191
" 4 " "	72	112	87	271
" 5 " "	68	32	49	149
" 6 " "	66	109	52	227
" 7 " "	77	125	84	286
" 8 " "	86	67	62	215
" 9 " "	98	33	16	147
" 10 " "	63	86	68	217
" 11 " "	49	25	10	84
" 12 " "	35	20	28	83
" 13 " "	65	57	47	169
" 14 " "	61	18	14	93
" 15 " "	77	127	64	268
" 16 " "	46	7	.....	53
" 17 " "	21	10	21	52
" 18 " "	57	17	24	98
" 19 " "	37	31	10	78
" 20 " "	17	12	14	43
" 21 " "	10	.....	.....	10
Water Tower	31	72	1	104
No. 1 Hook and Ladder Company	58	74	46	178
" 2 " " " "	66	107	61	233
" 3 " " " "	74	29	19	122
" 4 " " " "	57	100	71	228
" 5 " " " "	57	90	36	183
" 6 " " " "	53	35	2	90
" 7 " " " "	17	.....	.....	17
" 8 " " " "	23	4	.....	27
" 9 " " " "	11	.....	.....	11
" 10 " " " "	51	34	15	100
No. 1 Chemical Engine Company	24	14	.....	38
" 2 " " "	31	39	.....	70
" 3 " " "	45	22	.....	67
" 4 " " "	22	13	.....	35
" 5 " " "	23	12	.....	35
" 6 " " "	20	86	1	107
" 7 " " "	10	.....	.....	10

SERVICE OF COMPANIES AT FIRES.

Engine Companies.	Responded.	Transferred.	Feet of Hose Laid.	Tanks Used.	Extinguishers Used.	Working Time of Engines. Hours.	Working Time of Engines. Min.	Time Away From Quarters. Hours.	Time Away From Quarters. Min.
No. 1 Engine Company	148	..	27,950	13	65	85	15	185	5
" 2 " "	173	..	28,100	62	6	80	45	241	..
" 3 " "	229	..	21,750	69	..	58	40	140	15
" 4 " "	185	..	30,100	19	42	91	35	132	15
" 5 " "	213	19	16,150	9	12	60	50	298	..
" 6 " "	213	2	23,550	79	17	67	25	169	30
" 7 " "	187	2	31,500	48	62	50	30	192	30
" 8 " "	208	7	13,800	..	84	61	..	188	..
" 9 " "	274	30	21,400	2	41	55	20	244	45
" 10 " "	147	3	17,000	..	30	70	10	311	..
" 11 " "	156	29	12,150	..	38	69	..	191	30
" 12 " "	74	44	16,550	2	10	26	..	109	15
" 13 " "	145	21	10,850	..	77	31	40	132	15
" 14 " "	104	2	10,400	..	50	17	10	78	42
" 15 " "	171	..	17,150	71	2	72	23	159	2
" 15 " " (2d section)	3	..	500	..	1	..	..	2	10
" 16 " " (fire-boat)	90	..	2,100	..	..	19	30	45	..
" 17 " "	40	47	10,800	..	16	44	..	107	..
" 18 " "	95	8	16,500	..	26	32	..	154	10
" 19 " "	62	63	11,650	..	16	59	55	120	35
" 20 " "	27	7	7,850	31	..	17	..	107	..
" 21 " "	Organized Dec. 16, 1897								
Water tower	75								

SERVICES OF COMPANIES AT FIRES.

Hook and Ladder Companies.	Responded.	Transferred.	Extinguishers Used.	Ladders Used.	Working Time. Hours.	Min.
No. 1 Hook and Ladder Company.	138	29	26	187	186	..
" 2 " " " "	165	35	30	255	199	36
" 3 " " " "	207	18	98	209	209	30
" 4 " " " "	132	87	54	113	227	35
" 5 " " " "	137	61	67	194	310	..
" 6 " " " "	140	3	95	232	217	30
" 7 " " " "	27	..	11	29	25	28
" 8 " " " "	32	..	13	33	44	13
" 9 " " " "	26	..	12	9	21	10
" 10 " " " "	101	101	52	97	261	13

Chemical Engine Companies.	Responded.	Transferred.	Tanks Used.	Time Away From Quarters. Hours.	Min.
No. 1 Chemical Engine Company.	31	..	32	44	13
" 2 " " "	60	..	33	187	..
" 3 " " "	79	..	25	51	45
" 4 " " "	39	..	19	34	20
" 5 " " "	33	..	23	38	40
" 6 " " "	25	..	19	29	..
" 7 " " "	26	..	6	20	45

SECOND, THIRD AND GENERAL ALARMS OF FIRE IN 1897.

Box.	Location.	Date.	Alarm.	Alarm.	Alarm.
437	Pratt and Greene streets	January 14			General
522	Conway and Light streets	February 28		Third	
387	Pennsylvania and Fulton avenues	April 29	Second		
171	Chester and Canton avenue	May 19	Second		
248	Holliday and Bath streets	June 6	Second		
414	Howard and German streets	June 23		Third	
521	Charles and Camden streets	July 2	Second		
414	Howard and German streets	July 8		Third	
285	No. 5 Chemical Engine House	July 19	Second		
18	Chesapeake and Boston streets	August 15			General
281	No. 6 Chemical Engine House	October 7	Second		
286	Gorsuch avenue and Quaker lane	October 24	Second		
312	Park avenue and Clay street	November 9	Second		
527	Howard and Dover streets	November 12			General
15	Eastern Police Station	November 18	Second		
418	Lexington and Howard streets	November 22			General
437	Pratt and Greene streets	December 5	Second		
419	Eutaw and Saratoga streets	December 20			General
543	Battery avenue and West street	December 31	Second		

TABLE SHOWING THE NUMBER OF FIRES FOR EACH DAY OF THE WEEK IN 1897.

Day.	*Number of Fires.*
Sunday	134
Monday	147
Tuesday	165
Wednesday	151
Thursday	163
Friday	149
Saturday	201
Total	1,110

TABLE SHOWING THE NUMBER OF FIRES FOR THE HOURS OF THE DAY IN 1897.

A. M. Between.		P. M. Between.	
12 and 1 o'clock	42	12 and 1 o'clock	43
1 " 2 "	25	1 " 2 "	57
2 " 3 "	29	2 " 3 "	42
3 " 4 "	20	3 " 4 "	45
4 " 5 "	16	4 " 5 "	47
5 " 6 "	14	5 " 6 "	69
6 " 7 "	31	6 " 7 "	86
7 " 8 "	29	7 " 8 "	85
8 " 9 "	35	8 " 9 "	77
9 " 10 "	44	9 " 10 "	81
10 " 11 "	35	10 " 11 "	65
11 " 12 "	63	11 " 12 "	30
			1,110

SUMMARY OF FIRES FOR 1897.

Months.	District 1.	District 2.	District 3.	District 4.	District 5.	District 6.	Total Box.	Silents.	City.	Annex.	Total.
January	11	22	6	21	18	7	85	38	108	15	123
February	15	13	8	5	10	6	57	17	69	5	74
March	6	13	7	17	12	8	63	25	77	11	88
April	19	17	9	21	12	5	83	20	93	10	103
May	20	11	4	8	5	8	56	24	75	5	80
June	16	16	7	7	8	9	63	10	66	7	73
July	15	18	6	12	8	10	69	19	82	6	88
August	10	14	3	9	14	12	62	18	75	5	80
September	20	13	5	14	7	10	69	31	98	2	100
October	16	16	10	15	8	4	69	34	91	12	103
November	10	10	9	13	12	7	61	28	78	11	89
December	17	19	14	10	10	8	78	31	98	11	109
	175	182	88	152	124	94	815	295	1010	100	1110

NUMBER OF FIRES AND LOSSES EACH YEAR SINCE THE ORGANIZATION OF THE PAID FIRE DEPARTMENT.

Year.	*Number of Fires.*	*Losses.*
1859	98	$350,000 00
1860	112	310,000 00
1861	115	60,000 00
1862	130	83,000 00
1863	138	120,482 33
1864	143	163,528 49
1865	163	71,358 00
1866	178	181,115 00
1867	193	293,045 00
1868	145	76,244 75
1869	187	398,259 09
1870	203	432,717 07
1871	226	475,391 00
1872	245	300,000 00
1873	265	892,628 58
1874	384	506,826 15
1875	348	608,351 30
1876	332	563,248 78
1877	420	438,715 57
1878	371	162,312 78
1879	306	192,654 54
1880	343	580,290 09
1881	324	454,773 35
1882	358	330,113 84
1883	399	561,520 00
1884	388	617,871 79
1885	474	441,743 06
1886	430	896,527 12
1887	496	1,162,359 26
1888	602	1,272,478 82
1889	545	477,329 07
1890	594	441,152 65
1891	676	650,009 73
1892	795	839,435 77
1893	829	1,153,129 76
1894	831	542,188 29
1895	816	730,751 11
1896	985	423,062 79
1897	1,110	
The total loss by fires in 39 years has been		

TABLE SHOWING THE DIFFERENT CAUSES OF FIRES AND ALARMS DURING 1897.

Accidental	2
Alcohol ignited by lighted lamp	1
Badly constructed chimney	1
Back draft from chimney	8
Balloon falling on roof	2
Badly constructed fireplace	2
Boy smoking cigar in bed	1
Box pulled for preceding fire	7
Burning chimney	42
Burning of a pan of sulphur	1
Burning of a gasoline tank	1
Burning rubbish in a fireplace	1
Burning rubbish	2
Burning of tar and feathers	1
Burning sulphur to smoke out mosquitoes	1
Burning soot dropping from stovepipe	1
Bursting of steam pipe	1
Bursting of water tank	3
Carelessness	7
Careless handling of matches	6
Careless handling a lighted candle	2
Careless lighting a gasoline stove	1
Carelessly piling wood too close to stove	1
Can of coal oil taking fire	1
Catching fire from range	1
Children playing with matches	36
Children playing with fire	2
Children playing with lighted candle	1
Child playing with toy engine	1
Child ignited bed with lighted match	1
Child stepped on parlor match	1
Child throwing a lighted match among clothing	1
Child pouring gasoline on a hot stove	1
Child pouring gasoline in a hot stove	1
Child upsetting a can of gasoline	1
Child set fire to a can of coal-oil	1
Closed damper in stove	1
Clothing ignited by lighted candle	1
Clothing ignited by lighted match	1
Crossed wire on switch-board	1
Coal-oil lamp falling from table	1
Curtain ignited by gasoline stove	1
Defective coal-oil stove	1
Defective flue	39
Defective hot-air pipe	1
Defective oven	1
Defective smoke pipe	1
Dropped a lighted match among paper	1
Dropped lighted match near gasoline tank	2
Electric converter	7
Electric wire	20

Escaping gas ignited by a lighted match	1
Explosion of coal-oil stove	31
Explosion of coal-oil lamp	41
Explosion of ether	1
Explosion of a bottle of coal-oil	1
Explosion of escaping gas	1
Explosion of gasoline stove	56
Explosion of gasoline tank	6
Explosion of a can of gasoline	3
Explosion of gasoline	4
Explosion of a gas governor	1
Explosion of a gas meter	1
Explosion of an oil torch	1
False alarm (various causes)	26
Falling of a lighted candle	2
Fire under boiler	1
Fire used for smoking meat	2
Filling gasoline tank while stove was lighted	1
Fireworks	15
Flames from coal-oil stove	2
Flames from gasoline stove	1
Flames from furnace	1
Foul chimney	1
Falling gasoline lamp	1
Gasoline ignited from leaking tank	1
Gasoline ignited from heat of stove	3
Gasoline igniting woodwork	1
Gasoline setting fire to stairway	1
Gasoline stove taking fire	4
Gasoline stove igniting table cover	1
Gasoline tank taking fire	3
Greasy rags	1
Heat from ash pan	1
Heat from boiler	5
Heat from coal-oil stove	4
Heat from coffee roaster	1
Heat from coal-oil lamp	4
Heat from forge	1
Heat from furnace	1
Heat from gasoline stove	2
Heat from gas jet	1
Heat from hanging chimney	2
Heat from hot-air drum	1
Heat from lamp	1
Heat from stove	6
Heat from stack	2
Heat from pressing machine igniting celluloid	1
Hot ashes ignited shed	1
Hot ashes ignited rubbish	3
Hot castings	1
Heat from solder pot	1
Heat from peanut roaster	1
Incendiary	12
Lambrequin ignited by hot stove	1
Lady falling with lighted lamp	1

Leaking gasoline stove	8
Leaking gas pipe	1
Leaking steam pipe	1
Lighted candle ignited table cover	1
Lighted candle ignited mosquito net	1
Lighted candle ignited a bucket of whisky	1
Lighted candle ignited Christmas tree	3
Lighted candle ignited clothing in closet	1
Lighted cigar thrown on roof	1
Lighted cigar ignited clothing	1
Lighted cigarette thrown on sofa	1
Lighted coal oil lamp dropped on floor	1
Lighted coal oil lamp thrown on floor	1
Lighted gas jet ignited Christmas tree	1
Lighted gas jet ignited curtains	22
Lighted match ignited bureau drawer	1
Lighted match dropped through flue	1
Lighted match ignited coal oil tank	1
Lighted match dropped on lounge	1
Lighted match ignited mantle cover	1
Lighted match ignited gasoline	1
Lighted match thrown among kindling wood	1
Lighted match thrown under lounge	2
Lighted match thrown on awning	1
Lighted match thrown among clothing	1
Lighted match thrown under a gasoline tank	2
Lighted lamp thrown at a woman	2
Lighted lamp ignited celluloid collars	1
Lighted lamp ignited gasoline	1
Lighted lamp ignited a can of coal oil	1
Lighted lamp ignited curtain	1
Lighted lamp thrown in fright	1
Lightning	5
Lighted pipe ignited bed	1
Mice or rats gnawing matches	7
Mosquito net ignited by lighted gas jet	1
Overflow of coal oil tank	5
Overflow of gasoline tank	4
Open fire burning soot	1
Open grate fire igniting partition	1
Overflow of coal oil stove	1
Overheated boiler	1
Overheated oil stove	1
Overheated oven	1
Overheated stove or furnace	46
Overheated smoke stack	2
Overheated smoothing iron	1
Overheated stove or furnace pipe	15
Overheated steam pipe	1
Overheated range	1
Pan of grease boiling over	4
Paper ignited by lighted cigar	1
Pouring coal oil on fire	2
Purposely set on fire	2
Rags ignited from gasoline stove	1

Rags placed behind hot stove by children	1
Rekindling of previous fires	4
Set on fire by boys	10
Setting fire to a can of gasoline	1
Setting fire to a pan of gasoline	1
Smoking cigar in bed	1
Smoking cigarette on couch	1
Smoking pipe in bed	2
Smoke from chimney	5
Smoke from tar pot	1
Smoke from window	4
Sparks from chimney	14
Sparks from boiler	1
Sparks from cupola	2
Sparks from fire	1
Sparks from match	3
Sparks from open-grate fire	2
Sparks from furnace	1
Sparks from forge	4
Sparks dropping from lighted pipe	1
Sparks from lighted paper	1
Sparks from locomotive	4
Sparks from parlor match	3
Sparks from smoke pipe	1
Sparks from stack	2
Sparks from stove	6
Spontaneous combustion	11
Smoke from stove	1
Sulphur ignited while used in fumigating	1
Supposed incendiary	7
Soot igniting in fireplace	1
Table-cover ignited from gas-stove	1
Tar boiling over	1
Test alarm	1
Thawing water-pipe	1
Tinner's fire-pot	3
Treading on parlor match	6
Unnecessary alarm	3
Unknown	306
Upsetting a bottle of phosphorous	1
Upsetting a coal-oil lamp	11
Upsetting a coal-stove	6
Upsetting fire-pot used for heating tar	1
Upsetting a lighted candle	1
Upsetting a gasoline stove	3
Vapor from coal oil	1
Water thrown in hot tar	1
Wax taper falling from gas-bracket	1
	1,110

NOTABLE FIRES DURING THE YEAR.

January 8th—Box 51.—A four-story brick building, Nos. 13, 15, 17 and 19 Balderston street, occupied by the Clotworthy Chemical Company as a manufactory of yeast powder and puddine. The fire originated on the second floor among a lot of paper boxes and packing cases, totally destroying same, and extended through an open archway to the adjoining room, damaging the woodwork in same. The alarm was received at 10.07 p.m., and the recall signal at 11. 57 p.m. The services of three engine companies and two hook and ladder companies were required. Loss $14,535.31. Cause of fire unknown.

January 14th—Box 437.—The five-story brick buildings, Nos. 624 to 630 W. Pratt street, occupied by Bagby & Rivers as a furniture factory and storage warehouse for furniture. The fire originated in the rear of second story and spread rapidly throughout the entire front portion of the buildings, partly destroying the stock of furniture, lumber, machinery and woodwork of buildings. The first alarm was received at 9.07 p.m., the four two signal at 9.12 p.m., and the recall signal at 4.19 p.m., January 16th. The services of fourteen engine companies, four hook and ladder companies and the water tower were required. Cause of fire unknown. Loss $18,152.63.

January 23d—Box 485.—A two-story frame dwelling, located in the southwestern section of Loudon Park Cemetery, occupied by Mr. Harry Primrose. The building and contents were entirely destroyed. The services of one engine company, one chemical engine company and one hook and ladder company were required. Cause of fire, explosion of a coal-oil stove. The alarm was received at 3.11 p.m., and the recall signal at 7.16 p.m. Loss $5,904.29.

February 28th—Box 522.—A four-story brick building, Nos. 15 and 17 Camden street, occupied by the Baltimore Biscuit Company as a manufactory of cakes, crackers and biscuits. The fire originated in the rear of second floor and extended to the upper floors and roof, partly destroying the stock of flour, biscuits, cakes, etc., machinery and interior woodwork and roof. The first

alarm was received at 8.01 a.m., the second alarm at 8.04 a.m., the third alarm at 8.07 a.m., and the recall signal at 2.09 p.m. The services of twelve engine companies, four hook and ladder companies and the water tower were required. Cause of fire unknown. Loss $19,378.42.

June 6th—Box 248.—A three-story brick building, Nos. 412 and 414 North street, occupied by the Columbia Paper Bag Company, manufacturers of paper bags. The fire originated on the first floor and extended to the second and third floors, partly burning the stock of paper, bags, etc., and the woodwork of building on first, second and third floors. The first alarm was received at 7.39 p.m., the second alarm at 7.55 p.m., and the recall signal at 12.01 a.m., June 7th. The services of five engine companies and three hook and ladder companies were required. Cause of fire unknown. Loss $10,566.81.

June 23d—Box 414.—A four-story brick building, Nos. 2 and 4 N. Howard street, occupied by Shackman and Lowery as a wholesale drug house. The fire originated in the rear portion of the third floor, and extended to the fourth floor, damaging the stock of drugs, etc., on third and fourth floors, and interior woodwork on those floors. The first alarm was received at 8.29 p.m., the second alarm at 8.44 p.m., the third alarm at 8.55 p.m., and the recall signal at 12.00 p.m. The services of twelve engine companies, four hook and ladder companies and the water tower were required. Cause of fire unknown. Loss $7,500.13.

July 8th—Box 414.—The four story brick building, Nos. 23 and 25 S. Howard street, extending through to Liberty street, occupied by Hanline Bros., as a paint, oil and varnish warehouse. The fire originated on the third floor and extended to the fourth floor, destroying the stock of paints, oils and painters' supplies on these floors, interior woodwork of same and roof. The fire extended to the four-story brick building, No. 21 S. Howard street, occupied by Templeman Bros., tobacco dealers, and John Turnbull, as a storage warehouse for furniture, carpets, etc., and partly damaged window frames, cornice, and ceiling on fourth floor. The first alarm was received at 4.54 p.m., the second at 4.55 p.m., the third alarm at 5.00 p.m., and the recall signal at 8.39 p.m. The services of twelve engine companies, four hook

and ladder companies and the water tower were required. Loss $13,230.15.

July 29th—Box 638.—Burning of woodwork above deck of a floating grain elevator lying at the dock, Locust Point. The elevator was towed down the river some distance by a tug, where it was taken in charge by the fire-boat. The alarm was received at 4.30 a.m., and the recall signal at 4.47 a.m. Cause of fire unknown. Loss $5,500.

August 15th—Box 18.—The fire originated in a two-story brick shaving house, and spread with great rapidity through the yard occupied by the Tunis Lumber Company, No. 2733 Boston street, destroying all sheds, out-houses, floating dry dock, house boat "Guthrie" and the partial destruction of a large amount of lumber. Extended and partially burned a one-story engine and boiler house, owned by Thomas McCosker, extended to and totally destroyed a one-story frame shed, one brick shaving house, also two one-story frame warehouses owned by J. S. Young, No. 2727 Boston street, extended to and partially destroyed the schooner "Cadet," lying in the rear of No. 2729 Boston street. The first alarm was received at 6.43 p.m., the general alarm at 6.56 p.m., aud the recall signal at 6.22 p.m , August 17th. The services of thirteen engine companies and seven hook and ladder companies were required. The cause of the fire, lightning. Loss $104,080.77.

November 12th—Box 427.—A four-story brick and iron building, Nos. 308 and 310 W. Pratt street, occupied on the first floor by William Wilkens, dealer in hair and bristles, and on the upper floors by Fred. Bergner & Co., manufacturers of albums, frames and fancy articles. The fire originated on the third floor and extended rapidly to the fourth-floor, destroying the stock of papers, celluloid, plush, etc., on these floors, and the interior woodwork of same and roof. The first alarm was received at 4.33 p.m., second alarm at 4.34 p.m., third alarm at 4.40 p.m., and the recall signal at 11.34 p.m. The services of eleven engine companies, four hook and ladder companies and the water tower were required. Cause of fire, an overheated pressing machine setting fire to a sheet of celluloid. Loss $47,025.98.

November 22d—Box 418.—A five-story brick building, Nos. 317 and 319 North Howard street, occupied by William H. Scott as a furniture warehouse. The fire originated in the cellar and spread rapidly, by way of the elevator shafts and stairway, through the entire building, destroying the contents, consisting of furniture, carpets, oil-cloth, etc., and the flooring, joists, rafters, and all interior woodwork. The fire extended to and slightly damaged the roof of the five-story brick building, No. 313 N. Howard street, occupied by Uriah Pollack as a furniture warehouse. Extended to and destroyed the roofs of the two and one-half story brick dwellings, Nos. 319, 321 and 323 Tyson street. The body of Mrs. Sarah Maxon, who had been suffocated on the fourth floor, was recovered by the members of No. 1 Hook and Ladder Company, The first alarm was received at 2.10 p.m., the four two signal at 2.14 p.m., and the recall signal at 10.31 p.m. The services of thirteen engine companies, four hook and ladder companies, and the water tower were required. Cause of fire unknown. Loss ———.

December 20th—Box 419.—A six-story brick building, located at the northeast corner of Howard and Saratoga streets, occupied by Crook, Horner & Co., machinists, steamfitters and plumbers. The fire originated on the fifth floor and extended to the sixth floor and roof, destroying the stock on fifth and sixth floors, which consisted of hose, belting, waste, patterns, etc. The floors above the fourth and the roof were also partly destroyed. The first alarm was received at 4.46 p.m., the four two signal at 4.50 p.m., and the recall signal at 11.37 p.m. The services of ten engine companies, four hook and ladder companies and the water tower were required. Cause of fire unknown. Loss ———.

FIRES AT WHICH RESCUES WERE MADE.

January 8th—Box 525, at 1.45 a.m.—John Miller, who had been overcome by smoke, was rescued from the attic room of the two and one-half story brick dwelling, No. 135 W. Pratt street, by the members of No. 2 Hook and Ladder Company, by way of the stairway.

February 18th—Box 562, at 2.29 a.m.—Mrs. Johanna Schaeffer

and her three children were rescued from the two-story brick dwelling, No. 105 W. Fort avenue, by the Sixth District Engineer and members of No. 6 Hook and Ladder Company, by means of ladders. The escape of the occupants of the house by the stairway had been cut-off by smoke.

February 25th—Box 365, at 1.11 a.m.—Mr. and Mrs. Morris Schwartzberger and their four children were rescued from the third floor of a three-story brick dry goods store and dwelling No. 615 Pennsylvania avenue, by the members of No. 4 Hook and Ladder Company, using the ladders of that company, their escape by the stairway being impossible.

March 9th—Box 256, at 6.34 p.m.—Miss Lulu McGrath and Miss Annie Cox were rescued from the third-story front room of the three-story brick dwelling, No. 238 Laurens street. One of the ladies above mentioned was ill at the time of the fire, and as the house was rapidly filling with smoke, it was thought advisable to remove both ladies to a place of safety. As the stairway, owing to the smoke, could not be used for this purpose, the ladders of No. 4 Hook and Ladder Company were used and the members of that company brought the ladies to the ground.

April 4th—Box 455, at 6.32 a.m.—Mr. and Mrs. John T. Fahey were rescued from the second story of the three-story brick dwelling No. 432 N. Arlington avenue, by members of No. 8 Engine Company, using a ladder to effect the rescue.

April 27th—Box 158, at 12.45 a.m.—Nine occupants of the three-story brick saloon and dwelling No. 1616 Shakespeare street, were rescued by the First District Engineer and members of No. 3 Hook and Ladder Company from the second and third floors, by means of ladders and the stairway from second floor.

July 6th—Box 38, at 4.09 a.m.—Henry Knight, who was an invalid, was rescued from the third floor of the three-story brick grocery store and dwelling, No. 2114 Pennsylvania avenue, by members of No. 13 Engine Company, by way of the stairway.

July 25th—Box 373, at 5.24 a.m.—John Lipson and Gordon Little were rescued from the third floor of the three-story brick dwelling No. 1216 N. Fremont avenue, by members of No. 13 Engine Company, by way of the stairway.

August 19th—Box 532, at 2.24 a.m.—Fourteen occupants of the three-story brick grocery store and dwelling, No. 601 W. Conway street, were rescued from the second and third floors, by the Sixth District Engineer and members of No. 10 Engine Company, using a ladder placed on outside of building.

September 29th—Box silent, at 8.47 p.m—Ida and Fannie Cohen were rescued from the two and one-half-story brick dwelling, No. 327 Chestnut street, by the Second District Engineer and members of No. 6 Engine Company.

October 8th—Box 212, at 11.30 p.m.—Nine occupants of the three-story brick shoe store and dwelling, No. 20 Harrison street, were rescued from the second and third floors by members of No. 1 Hook and Ladder Company, by means of ladders. The escape of the occupants by the stairway had been cut off by smoke.

November 4th—Box 257, at 10.40 p.m.—Seven occupants of the two-story brick dwelling, No. 1220 Holbrook street, were rescued from the second floor by the members of No. 5 Hook and Ladder Company, by means of ladders.

November 12th—Box 527, at 4.33 p.m.—William Stahl was rescued from the fourth-story window of a four-story brick and iron building occupied as a manufactory of frames, fancy articles, albums, etc., by the following members of No. 2 Hook and Ladder Company: Captain Emil Heise, Lieutenant John Emerson, Ladderman Wm. Stapf, Cooper Elliott, F. W. Johnson, Wm. Steinwedel and Joseph Daley. Young Stahl, who had been employed in the building but a short time, became confused at the cry of fire, and instead of making his escape by the fire-escape in the rear, ran to the front windows. The heat and smoke forced him to crawl out of the window on to a narrow ledge or sill, where he was when No. 2 Truck arrived on the scene. The position of young Stahl was momentarily becoming more dangerous, and it required the exercise of good judgment and prompt action on the part of those attempting the rescue. Captain Heise saw at once the impossibility of raising the Hayes ladder on account of the net work of wires in front of the building, so immediately ordered a thirty-five foot ladder to be raised to the roof of the building adjoining on the west, the roof of which was about fifteen feet below

where young Stahl was. The ladder was quickly placed in position and Captain Heise and his men ascended, carrying with them an 18-foot ladder, which they placed against the west wall of the burning building. This ladder was held in position by the members above mentioned while Ladderman Joseph Daley ascended thereon. The position of young Stahl was such that Ladderman Daley was forced to lean out some distance over the street and reach for the boy, who dropped on Daley's right arm. The rescue was attended with great personal risk to Ladderman Daley, who is deserving of the highest commendation. It is the pleasure of the Chief Engineer, to highly commend Captain Heise for the excellent judgment displayed on this occasion as well as all the men assisting, for their prompt and intelligent action under most trying circumstances. Ladderman Daley's signal bravery was fitly recognized by the members of the Chamber of Commerce on November 24, 1897, when they presented him with the Merchants' Medal.

The work of Captain Heise and the members of his company above mentioned, was highly commended by the Board, in a general order to the department, under date of November 15, 1897.

December 22d—Box silent, at 12.40 a.m.—Mr. Frederick Brown, wife and three children, were rescued from the third floor of the three-story brick saloon and dwelling, No. 1606 W. Lafayette avenue, by members of No. 10 Hook and Ladder Company, on ladders of the company. The escape of the occupants by the stairway had been cut off by smoke.

FIRES WHICH WERE ATTENDED WITH LOSS OF LIFE.

January 8th—Silent alarm at 9.55 p.m.—Gladys Smith, aged three years, residing at 1404 Mosher street, was so badly burned about the body that she died from the effects of same. The fire was caused by the child upsetting a coal-oil lamp.

January 15th—Box 275, at 4.08 p.m.—Mrs. Cora Farley, 1728 E. Preston street, died from the effects of burns received while pouring coal oil on a fire in the stove.

January 28th—Silent alarm at 3.55 p.m.—Miss Emma Johnson, 537 Orchard street, died from the effects of burns. Cause of fire, overturning of coal-oil stove.

June 17th—Box 464, at 11.16 p.m.—Miss Blanche Roekly, No.

207 S. Stricker street, died from burns received by falling over a coal-oil lamp.

June 30th—Box 399, at 8.29 a.m.—Mrs. A. Koemus, No. 309 Sycamore street, died from the effect of burns, caused by the explosion of a coal-oil stove.

August 22d—Silent alarm, at 12.50 p.m.—Lillian Nagel, aged four and a-half years, was so badly burned by her clothing taking fire from a lighted candle, with which she was playing, that she died from the effects thereof.

August 20th—Box 453, at 12.37 p.m.—Miss Nellie Couyan, No. 1619 W. Lanvale street, aged sixteen years, was burned so severely by the explosion of a can of gasoline, which she was testing, that she died from the effects of same.

September 2d—Box 145, at 6.58 a.m.—Mrs. Annie Gevitz, No. 1243 Jackson street, died from the effects of burns caused by the explosion of a can of gasoline, from which she was filling the tank of a stove, while the stove was burning.

Monday, October 18th—Box 414, at 6.27 p.m.—The fire originated in the centre of the third floor of the four-story brick building No. 208 W. Baltimore street, occupied by J. Schoeneman as a clothing house. The fire was confined to the rear part of the third and fourth floors with the partial burning of some clothing. The fire was extinguished by chemical fluid alone (no water being used), an improvement lately placed on the hose wagons of the department. The first alarm was received at 6.27 p.m., the recall signal at 8.31 p.m. The services of five engines and two hook and ladders were required. The cause of the fire could not be ascertained. Loss, $11,842.65.

October 24th—Box 452, at 7.23 a.m.—William Garrett, aged one year, died from the effects of burns caused by the explosion of a coal-oil lamp.

November 22d—Box 418, at 2.10 p.m.—Mrs. Susan E. Maxon, No. 1536 William street, was suffocated by heat and smoke in the fourth floor of 317 and 319 N. Howard street, occupied by W. H. Scott, as a furniture warehouse. Mrs. Maxon's body was recovered by the members of No. 1 Hook and Ladder Company, after the fire had been extinguished.

November 25th—Box 464, at 1.45 a.m.—Mrs. Catherine Burns, No. 1317 Lemon street, was so badly burned by the explosion of a coal-oil lamp that she died from the effects thereof.

Company.		Position.	Name.	Date of Injury.	Box	Time off Duty.	Nature of Injury.
No.	2 Engine.....	Captain....	Wm. R. Ward..	January 8 ..	51	19 days.	Right foot bruised.
"	2 "	Lieutenant .	Geo. C. Young..	June 22.....		12½ days	Abcess on left hand from bruise.
"	2 "	Captain....	Wm. R. Ward ..	August 7....	64	30 days.	Fracture of left ankle.
"	2 "	Pipeman ...	F. J. Stroehlein.	November 12	527	17½ days	Cut on left arm by falling glass.
"	3 "	Hostler.....	John F. Peerce..	September 5.	31	Still off.	Right wrist broken and contusion of arms and legs.
"	3 "	Pipeman ...	James F. Pearl..	February 22.	153	6½ days.	Left hand cut by falling glass.
"	3 "	Pipeman ...	Geo. D. Shanks.	August 26...	151	34⅛ days	Right foot contused and lacerated.
"	4 "	Lieutenant .	W. C. D. Knight	July 8.....	414	6½ days.	Overcome by smoke.
"	4 "	Pipeman ...	Constant Siebert	August 16...	18	¾ day...	Inflamed eyes from smoke.
"	4 "	Pipeman ...	H. F. Boerner ..	November 22	418	.....	Left hand burned.
"	4 "	Pipeman ...	Constant Siebert	November 8.	15	.....	Finger on right hand cut.
"	5 "	Lieutenant .	Chas. Rosenthal	August 15...	18	2¾ days.	Inflamed eyes from smoke.
"	5 "	Pipeman ...	Joseph G. Smith	August 15...	18	2¾ days.	Inflamed eyes from smoke.
"	5 "	Pipeman ...	H. R. Seippel...	August 15...	18	½ day...	Inflamed eyes from smoke.
"	5 "	Pipeman ...	Joseph Nelson..	January 23..	.....	75 days.	Right foot contused and lacerated.
"	6 "	Pipeman ...	John T. Gordon.	February 8..	216	12 days.	Left side of face cut.
"	7 "	Pipeman ...	Jas. J. McGraw.	Nov. 21, 1896	616	365 days	Fracture of pelvis. Pensioned November 21, 1897.
"	7 "	Pipeman ...	Wm. A. Hall. ..	Nov. 21, 1896	616	60½ days	Fracture of left leg.
"	8 "	Pipeman....	Thos. W. Jessop.	August 17 ..	18	¾ days..	Inflamed eyes from smoke.
"	8 "	Pipeman....	John T. Murphy	November 18	....	9 days..	Contusion of left side.
"	9 "	Asst. Eng'n.	Geo. W. Speake.	Dec. 27, 1896	418	54½ days	Left ankle sprained.
"	9 "	Pipeman'...	John Amend....	August 18...	18	3 days..	Inflamed eyes from smoke.
"	9 "	Pipeman....	James McDevitt	November 24	23	.....	Left leg bruised.
"	9 "	Asst. Eng'n.	Geo. W. Speake.	November 24	23	13½ days	Contusion of left shoulder.
"	11 "	Pipeman....	J. O. Miller.....	January 28..	.....	32 days.	Right foot lacerated by a nail.

CASUALTIES.

Company.	Position.	Name.	Date of Injury.	Box	Time off Duty.	Nature of Injury.
No. 11 Engine.....	Pipeman....	J. O. Miller.....	August 15...	18	¾ days..	Inflamed eyes from smoke.
" 11 "	Pipeman....	John W. Barton	August 15...	18	2¾ days.	Inflamed eyes from smoke.
" 11 "	Pipeman....	Philip Peacock.	October 12..	157	7 days..	Right forearm cut.
" 12 "	Pipeman....	Matthew Carroll	January 15..	437	25 days.	Contusion of right knee.
" 12 "	Pipeman....	C. H. Wheatley.	July 8.....	414	5½ days.	Right hand lacerated.
" 13 "	Captain....	Saml.R.Watkins	July 8.....	414	6½ days.	Overcome by smoke.
" 13 "	Lieutenant.	And'w J. Walter	July 3.....	352	13 days.	Right hand cut by falling glass.
" 14 "	Asst. Eng'n.	C. P. Kuhan....	January 4...	429	13¾ days	Right ankle sprained.
" 14 "	Pipeman....	H. C. Showacre.	August 2.....		11¼ days	Left hand cut.
" 15 "	Pipeman....	M. J. Ready....	Dec. 17, 1896		3 days..	Right eye burned by acid.
" 15 "	Engineman.	John Conway...	January 21.....		35 days.	Right ankle sprained.
" 15 "	Pipeman ...	Chas. P. Griffin.	February 3.....		21¾ days	Right foot bruised.
" 15 "	Pipeman ...	F. J. Lavender.	March 6	515	7 days..	Right hand cut by falling glass.
" 15 "	Pipeman ...	H. C. Showacre	March 24....	317	31 days.	Contusion of left leg.
" 15 "	Pipeman ...	Thos. S. Roberts	Septe'ber 26.		7⅜ days.	Contusion of right leg.
" 16 "	Lieutenant.	Louis Harrer ...	April 1		17 days.	Scalp wound.
" 16 "	Lieutenant.	Louis Harrer ...	October 20.....		4½ days.	Finger on left hand cut.
" 17 "	Pipeman ...	Jas. Catterton..	June 12.....	635	15 days.	Right wrist sprained and head bruised.
" 19 "	Hostler.....	M. F. Farley....	March 22 ...	343	7½ days.	Contusion of muscles of the back.
No. 1 Hook and Ladder	Lieutenant.	Thomas Kerr...	January 29 .	14	11½ days	Contusion of groin.
" 1 " " "	Lieutenant.	Thomas Kerr...	June 23.....	414	5⅛ days.	Shocked by electric wire.
" 1 " " "	Tillerman...	Geo. W. Haskell	November 22	418	27 days.	Right leg lacerated.
" 1 " " "	Asst. Tillr'n	A. J. Orr.....	Dec. 27, 1896	418	9¼ days.	Breast and back bruised.
" 1 " " "	Ladderman.	Q. A. G. Hughes	July 5.....	451	3 days..	Right hand cut
" 1 " " "	Ladderman.	James P. Lyons.	December 13	163	9½ days.	Right foot sprained.
" 2 " " "	Captain....	Emil Heise.....	July 8.....	414	¾ day...	Overcome by smoke.

No.	2	Hook and Ladder			Captain....	Emil Heise.....	February 13.	19 days.	Spine injured by falling.
"	2	"	"	"	Tillerman...	John H. Blake..	February 18. 521	Still off.	Contusion of left hip and leg.
"	2	"	"	"	Ladderman.	Henry J. Caler.	January 31 . 427	14 days.	Artery in left hand cut.
"	2	"	"	"	Ladderman.	F.WJohnston,Jr	August 15... 18	11½ days	Breast bruised by a fall.
"	2	"	"	"	Ladderman.	Joseph Daley...	September 6	34⅓ days	Palm of left hand lacerated.
"	2	"	"	"	Ladderman.	Joseph Daley...	December 1. 525	Still off.	Right knee joint bruised.
"	3	"	"	"	Ladderman.	C. Fitzberger...	May 4.....	7½ days.	Right ankle sprained.
"	3	"	"	"	Ladderman.	H. Courtney....	June 7.....	14½ days	Right ankle sprained.
"	4	"	"	"	Captain....	John H. Morgan	January 15.. 437	4⅛ days.	Face and hands burned.
"	4	"	"	"	Lieutenant.	Henry J. Carle..	October 22.. 416	13½ days	Contusion of right hip.
"	4	"	"	"	Tillerman ..	John Kurne.....	May 20.....	5 days..	Contusion of legs.
"	4	"	"	"	Ladderman.	Geo. E. Gill	January 19..	16⅛ days	Contusion of back and right arm.
"	4	"	"	"	Ladderman.	Clarence Kirby.	August 30... 623	35 days.	Left wrist and right ankle sprained.
"	5	"	"	"	Probationer	James Radford.	March 23.....	4 days..	Left foot bruised.
"	5	"	"	"	Hostler.....	Wm. Quinn.....	March 31.....		Kicked by a horse.
"	5	"	"	"	Tillerman...	Peter B. Mullen.	September 4. 262	18½ days	Contusion of left ankle.
"	5	"	"	"	Ladderman.	Howard E.Curry	Sept. 23, '96. 245	365 days	Left leg crushed, necessitating amputation. Pensioned October 1, 1897.
"	5	"	"	"	Substitute..	Wm. Siebert....	July 30.....	23 days.	Muscles of back strained.
"	6	"	"	"	Asst. Tillr'n	A. G. Bramble..	July 26..... 533	7½ days.	Contusion of right arm.
"	6	"	"	"	Ladderman.	Charles Fay....	November 22 418	6 days..	Right hand cut.
"	6	"	"	"	Ladderman.	E. S.McDonnell.	October 5.....	44 days.	Pistol shot wound in left breast, accidentally inflicted.
"	8	"	.....		Hostler.....	John L. Durham	January 23.. 485	13¾ days	Contusion of right knee.
"	10	"	.....		Lieutenant .	W. A. Meushaw.	November 27 492	3¾ days.	Right foot pierced by a pitchfork.
"	10	"	.....		Tillerman...	William White..	January 20.....	13¼ days	Contusion of left side.
"	10	"	.....		Hostler.....	Thos. H. Wright	April 26	9¼ days.	Palm of right hand cut.
"	10	"	.....		Ladderman.	Conrad Garbe..	April 21	1 day...	Right thigh bruised.

Roster of the Department

— AND —

LOCATION OF COMPANIES.

1897.

OFFICERS.

Name.	Age.	Time of Service.	Position.		Residence.	Former Occupation.
Wm. C. McAfee	33	11 years	Chief Engineer	No.	2216 Oak st	Plumber.
George W. Horton	51	35 "	1st Dist. "	"	404 Colvin st	Wire worker.
August Emrich	35	13½ "	2d " "	"	1032 E. Monument st	Coal dealer.
Frederick Branan	50	18 "	3d " "	"	324 W. 21st st	Harness-maker.
Fielding H. Lucas	46	16 "	4th " "	"	1013 N. Arlington av	Type founder.
L. H. Burkhardt	30	7 "	5th " "	"	1252 Barclay st	Carpenter.
Wm. H. Hartman	39	15 "	6th " "	"	1503 Aisquith st	Plumber.
George J. Linsenmeyer	55	23 "	Supt. of Mach'y	"	1435 Battery ave	Machinist.

No. 1. ENGINE COMPANY.

Located on Paca Street, North of Fayette Street.

Name.	Age.	Time of Service.	Position.		Residence.	Former Occupation.
James T. Dunn	37	7 years 8 mos.	Captain	No.	621 W. German st	Iron moulder.
William F. Morrow	47	21 "	Lieutenant	"	522 Laurens st	Pap'r masche mlr.
John H. Deal	55	26 "	Engineman	"	1519 Myrtle ave	Machinist.
George C. Lloyd	29	5 "	Asst. Engineman	"	1213 W. Cross st	"
Louis J. Fresch	54	26 "	Hostler	"	507 N Schroeder st	Carpenter.
Edward R. Addison	50	23 "	Pipeman	"	126 N. Poppleton st	Machinist.
Albert Oelmann	32	9 " 6 mos.	"	"	627 W. Saratoga st	Blacksmith.
George W. Bentz	57	28 "	"	"	523 W. Saratoga st	Baker.
Robert P. McFarland	31	9 "	"	"	451 W. 24th st	Driver.
Wilbur D. Barker	27	1 " 6 mos.	"	"	127 S. Poppleton st	Steam-fitter.
Joseph G. Burger	37	8½ "	"	"	1313 N. Gilmor st	Driver.

No. 2 ENGINE COMPANY.—*Located on Barre Street, West of Sharp Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
William R. Ward	53	25 years	Captain	No. 124 S. Calhoun st	Carpenter.
George C. Young	45	6 " 9 mos.	Lieutenant	" 3 E. Henrietta st.	Tinner.
Thomas S. Atkinson	47	16 " 3 "	Engineman	" 1839 W. Lombard st.	Machinist.
Daniel H. Weber	37	8 " 4 "	Asst. Engineman	" 409 S. Sharp st	Machinist.
Frank Hines	33	7 " 7 "	Hostler	" 936 S. Sharp st	Tinner.
George H. Hewit	32	6 " 6 "	Pipeman	" 406 S. Sharp st	Brushmaker.
Charles E. Rice	28	1 " 8 "	"	" 1633 W. Lexington st.	Packer.
William H. Bell	41	3 " 6 "	"	" 1118 Cleveland st	Blacksmith.
Edward Tauber	31	7 " 1 "	"	" 13 N. Carrolton av.	Driver.
William Kimball	27	2 " 6 "	"	" 1138 Hanover st	Paperhanger.
William Landefeld	33	1 " 18 days.	"	" 405 N. Patte'n Pk. av.	Clothing Cutter.
Frederick J. Stroehlein	25	1 " 17 "	"	" 1913 Orleans st	Clerk.

No. 3 ENGINE COMPANY.—*Located on East Lombard Street, near High Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
August Schlimm	31	7 years 9 mos.	Captain	No. 1010 Eastern ave	Hostler.
Chas. E. Dewitt	47	12 " 8 "	Lieutenant	" 2452 W. Baltimore st.	Carpenter.
William T. Hubbard	39	4 "	Engineman	" 31 S. Bond st	Marine Engineer.
Joseph P. Whalen	32	1 year 5 mos.	Asst. Engineman.	" 107 S. High st	Machinist.
John F. Peerce	54	22 years	Hostler	" 407 N. Paca st	Hostler.
George L. Schlimm	37	9 " 9 mos.	Pipeman	" 252 S. Exeter st	Boxmaker.
Herman Fumbaugh	39	9 " 9 "	"	" 1817 E. Lombard st.	Hostler.
Henry Meil	25	1 year	"	" 1608 E. Chase st	Carpenter.
Frank Doerer	32	2 " 10 mos.	"	" 1417 N. Chester st	Hostler.
Arthur G. Harrison	25	1 " 9 "	"	" 125 S. Ann st	Plumber.
John Grasmick	24	1 year	"	" 1413 Bank st	Carpenter.

No. 4 ENGINE COMPANY.—*Located on Lexington Street, between North and Calvert Streets.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Herman F. Bichy	39	7 years 9 mos.	Captain	No. 2408 E. Fayette st	Clerk.
Henry C. Dotter	33	18 mos. 17 days	Lieutenant	" 2327 Canton ave	Moulder.
Herbert W. Pierce	30	6 years 6 mos.	Engineman	" 722 E. Preston st	Machinist.
Frederick C. Weiss	24	14 mos. 17 days	Asst. Engineman.	" 2007 Gough st	Machinist.
Israel D. Appleby	41	18 " 17 "	Hostler	" 1933 Hollins st	Plasterer.
Constant Siebert	46	16 years.	Pipeman	" 1747 E. Preston st	Driver.
Frank C. H. Berger	41	12 "	"	" 913 Ensor st	Silversmith.
Henry F. Boerner	37	2 " 9 mos.	"	" 707 Colvin Place	Tinsmith.
George A. Ford	39	1 " 7 mos.	"	" 259 Cedar ave	Clerk.
Frisby Lloyd	37	1 " 18 days	"	" 1024 N. Washington st	Canmaker.
Howard Travers	22	7 mos. 17 "	"	" 436 Roland ave	Laborer.
Harry C. Grimes	28	6 " 11 "	"	" 936 W. Fayette st	Machinist.

No. 5 ENGINE COMPANY.—*Located on Ann Street, near Gough Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Andrew W. German	48	26 years.	Captain	No. 239 S. Ann st	Painter.
Charles Rosenthal	40	7 "	Lieutenant	" 12 S. Ann st	Carpenter.
Frederick L. Nelson	50	23 "	Engineman	" 404 S. Ann st	Machinist.
John M. Foard	27	16 days	Asst. Engineman.	" 1300 N. Chester st	Machinist.
Henry Murphy	46	18 years.	Hostler	" 331 S. Ann st	Sugar refiner.
Henry R. Seippel	48	23 "	Pipeman	" 103 S. Ann st	Barber.
William B. Baker	40	16 "	"	" 208 S. Ann st	Brass finisher.
John F. Bilson	34	5 " 6 mos.	"	" 30 S. Washington st	Painter.
Anthony Schoeplein	42	6 " 6 "	"	" 309 S. Regester st	Cooper.
Joseph Nelson	28	2 " 10 "	"	" 614 S. Chapel st	Laborer.
Joseph G. Smith	35	2 " 9 "	"	" 1925 Fairmount ave	Mill hand.

No. 6 ENGINE COMPANY.—*Located corner of Gay and Ensor Streets.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Charles Betz	44	13 years	Captain	No. 426 Colvin st.	Shoemaker.
Robert R. Perry	28	5 "	Lieutenant	" 2219 Orleans st.	Iron Moulder.
Matthew Mulligan	59	27 "	Engineman	" 1027 Valley st.	Machinist.
Frank Huart	26	1 " 8 mos.	Ass't Engineman.	" 1804 E. Townsend st.	"
Andrew A. Albert	34	2 " 9 "	Hostler	" 935 N. Castle st.	Driver.
George Sykes	37	5 " 7 "	Pipeman	" 1004 E. Madison st.	Collarmaker.
Isaac Cuddy	28	4 " 1 "	"	" 806 N. Central ave.	Carpenter.
William McKay Morrow	29	2 " 6 "	"	" 1841 N. Castle st.	Paper Carrier.
John T. Gordon	25	2 " 4 "	"	" 2318 E. Fayette st.	Soap Presser.
Frederick H. Kaufman	25	2 " 3 "	"	" 407 N. Wolfe st.	Carriagesmith.
Joseph H. Stallings	42	1 " 8 "	"	" 618 N. Caroline st.	Type Caster.
Gustave Miller	26	2 " 9 "	"	" 507 N. Bond st.	Driver.

No. 7 ENGINE COMPANY.—*Located corner Eutaw streeet and Druid Hill Avenue.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
John Hoffman	50	21 years	Captain	No. 637 Pitcher st.	Canmaker.
Thomas Kerr	34	7 "	Lieutenant	" 913 Hillen st.	Clerk.
Samuel W. Stansbury	47	23 "	Engineman	" 1929 W. Baltimore st.	Machinist.
Frank R. Nehren	33	6 " 9 mos.	Ass't Engineman.	" 928 Argyle ave.	"
Harman Schiminger	43	7 " 9 "	Hostler	" 235 N. Poppleton st.	Hostler.
Charles A. Soistman	44	7 " 9 "	Pipeman	" 602 Bradley st.	Drummaker.
George Schneider	29	5 " 3 "	"	" 907 Madison ave.	Gas Fitter.
John Weinkamp	31	5 " 9 "	"	" 655 W. Mulberry st.	Cigarmaker.
William A. Hall	33	2 " 9 "	"	" 711 Warner st.	Marble Cutter.
James T. Braden	29	4 " 2 "	"	" 1821 Aisquith st	Driver.
Robert Lyman	25	8 mos. 23 days.	"	" 504 S. Sharp st.	Clerk.

No. 8 ENGINE COMPANY—*Located on Mulberry street, near Arlington avenue.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
William J. Stewart	46	22 years 9 mos	Captain	No. 424 N. Arlington ave.	Tinner.
John W. Cook	36	4 " 6 "	Lieutenant	" 634 Mosher st	Baker.
Charles E. Freeburger	49	22 "	Engineman	" 1202 W. Franklin st	Machinist.
William F. Awalt	36	7 " 6 mos.	Ass't Engineman.	" 312 N. Poppleton st	Machinist.
James McGlennan	35	8 " 6 "	Hostler	" 263 N. Schroeder st	Moulder.
Greenbury Chapman	65	27 "	Pipeman	" 954 W. Franklin st	Shoemaker.
Charles Airey	45	11 "	"	" 255 N. Schroeder st	Cigarmaker.
John J. Murphy	43	6 " 6 mos.	"	" 1043 W. Saratoga st	Moulder.
Thomas W. Jessop	37	3 "	"	" 1533 Newington Place.	Moulder.
Walter F. Musgrove	26	8 mos.	"	" —— Westley ave	Moulder.
William Eckert	39	10 " 7 "	"	" 1033 W. Mulberry st	Brushmaker.

No. 9 ENGINE COMPANY—*Located on Madison street, east of Broadway*

Name.	Age.	Time of service.	Position.	Residence.	Former Occupation.
David H. Macaulay	71	37 years	Captain	No. 1211 N. Eden st	Painter.
Solomon Uhlfelder	54	26 "	Lieutenant	" 1641 E. Madison st	Huckster.
Daniel R. Rogers	51	26 "	Engineman	" 1139 McDonogh st	Machinist.
George W. Speake	40	1 y. 7 m. 15 d.	Ass't Engineman.	" 1736 E. Townsend st	Boilermaker.
Elias J. Kipp	44	8 years	Hostler	" 930 N. Washington st.	Carpenter.
James McDevitt	55	26 "	Pipeman	" 803 N. Washington st.	Harnessmaker.
William H. Cuddy	40	9 " 6 mos.	"	" 1515 E. Madison st	Driver.
Clinton Baker	37	4 " 10 "	"	" 808 N. Wolfe st	Laborer.
John Amend	37	5 " 3 "	"	" 2200 Jefferson st	Boxmaker.
Richard V. Pittinger	49	18 "	"	" 1632 E. Madison st	Carpenter.
Frank G. Smith	24	8 mos. 16 days	"	" 15 S. Castle st	Can Capper.

No. 10 ENGINE COMPANY.—*Located on Columbia avenue, near Poppleton street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Henry Stagge	32	6 years 6 mos.	Captain	No. 117 Bowen st	Moulder.
Charles Romoser	36	8 " 5 "	Lieutenant	" 1033 W. Cross st	Plumber.
John W. Walsh	48	22 "	Engineman	" 1115 W. Baltimore st	Machinist.
James Nugent	41	14 "	Asst. Engineman.	" 417 S. Poppleton st	"
Joseph Daley	25	10 mos.	Hostler	" 371 Baker st	Butcher.
Justice G. Keilholtz	52	24 years	Pipeman	" 896 W. Lombard st	Mantel setter.
Henry Zachman	44	9 " 6 mos.	"	" 1145 W. Hamburg st	Cigarmaker.
John Eigenbrodt	36	7 "	"	" 1123 Bowen st	Woodcarver.
Edward A. Ward	24	2 " 10 mos.	"	" 1515 Battery ave	Driver.
Charles L. Smoot	39	1 " 2 "	"	" 904 W. Lexington st	Blacks'th helper.
Albert A. Torney	33	8 "	"	" 127 Parkin st	Butcher.

No. 11 ENGINE COMPANY.—*Located on Eastern avenue, corner Patterson Park avenue.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Michael A. Lind	36	11 years	Captain	No. 505 S. Pat'rs'n Pk av	Painter,
Thomas Flaherty	37	6 "	Lieutenant	" 311 S. Chester st	Pilot.
John Calder	51	27 "	Engineman	" 422 S. Pat'rs'n Pk av	Machinist.
John Linderman	50	9 "	Asst. Engineman.	" 2036 Bank st	Machinist.
Patrick H. Birthistle	30	5 "	Hostler	" 1113 Stiles st	Driver.
John W. Barton	33	6 "	Pipeman	" 22 N. Rowe st	Moulder.
John P. Curry	29	3 " 5 mos.	"	" 514 Montford ave	Stovefinisher.
Albert H. Gier	43	19 "	"	" 1319 E. Lombard st	Painter.
Joshua H. Miller	41	12 "	"	" 3119 Foster ave	Cigarmaker.
George W. Shipley	40	8 "	"	" 2236 Bank st	Gilder.
Philip Peacock	39	3 "	"	" 608 S. Washington st.	Tinner.

No. 12 ENGINE COMPANY.—*Located on Fort Avenue, Corner of Riverside Avenue.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
George W. Smith	40	7 years 7 mos.	Captain	No. 903 Columbia ave	Plumber.
Edward C. Klessell	45	16 " 10 "	Lieutenant	" 1442 Riverside ave	Gilder.
Michael Lycett	51	25 "	Engineman	" 1117 Battery ave	Machinist.
William F. Walsh	37	4 " 7 "	Asst. Engineman	" 1646 S. Charles st	"
Joseph W. Moon	47	20 " 4 "	Hostler	" 1509 Battery ave	Hostler.
James J. Knox	37	2 " 10 "	Pipeman	" 1428 Cooksie st	Laborer.
Peter McGonigle	37	7 " 11 "	"	" 1265 Riverside ave	Cotton Inspector.
Charles H. Wheatley	38	1 " 10 "	"	" 1725 Covington st	Boilerm'kr Help'r
Matthew Carroll	48	1 " 8 "	"	" 1723 Covington st	Laborer.
Albert Raine	26	9 "	"	" 1102 William st	Salesman.
Joseph P. McKenna	27	2 "	"	" 14 Gittings st	Hardwood Fin'er

No. 13 ENGINE COMPANY.—*Located Corner Fremont and Myrtle Avenues.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Samuel R. Watkins	43	7 years	Captain	No. 1 Polk st	Sailmaker.
James Nolan	27	4 " 7 mos	Lieutenant	" 230 Fremont ave	Collar Maker.
John A. Bannan	55	20 "	Engineman	" 1117 Riggs ave	Machinist.
J. Wm. Eckhardt	31	7 " 4 mos	Asst. Engineman	" 317 Fort ave	"
John F. McKenzie	50	6 " 10 "	Hostler	" 1256 Barclay st	Car Driver.
Wilbur Pearce	40	14 "	Pipeman	" 1203 Winchester st	Moulder.
Louis Buehler	24	11 months	"	" Lake Montebellow	Blacksmith.
Fredrick G. Beck	42	8 years	"	" 424 Wehage st	Photographer.
Fredrick Viehmyer	37	4 " 8 mos	"	" 660 Mulberry st	Driver.
Clifton Hedley	26	8 months	"	" 1324 Mosher st	Painter.
Albert Schyne	30	2 years 4 mos	"	" 624 Mosher st	Driver.

No. 14 ENGINE COMPANY.—*Located on Hollins Street, near Monroe Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Jacob F. Rupp.....	40	9 years 6 mos.	Captain..... ...	No. 118 S. Gilmor st.....	Plasterer.
Wm. C. D. Knight.....	29	3 " 5 "	Lieutenant	" 1438 E. Fort ave.....	Driver.
John Gaffney.....	42	20 years.....	Engineman.....	" 1925 Hollins st.....	Machinist.
Cornelius P. Kuhan.....	51	5 "	Asst. Engineman.	" 18 S. Monroe st....	"
Joseph Lavender.....	50	21 "	Hostler.....	" 771 W. Mulberry st.	Driver.
C. Allen Orem.....	47	15 "	Pipeman	" 2010 W. Lanvale st ..	Painter.
Charles H. Baker.....	45	18 "	"	" 1928 Hollins st.....	Scalemaker.
Leonard Jessop.....	42	5 " 5 mos..	"	" 69 S. Monroe st....	Plasterer.
William H. Perrine.....	30	1 " 19 days.	"	" 1107 Proctor st	Salesman.
Harry C. Showacre.....	28	1 " 7 mos..	"	" 2126 Calverton road .	Carpenter.
George D. Shanks	38	1 " 18 days.	"	" 11 S. Fremont st...	Shoemaker.

No. 15 ENGINE COMPANY (Double Company),

Located on Lombard Street, between Eutaw and Howard Streets.

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
John Todd	33	6 years 6 mo.	Captain	No. 7 S. Carey St	Laborer.
James A. Campbell	33	3 " 11 "	Lieutenant	" 503 N. Paca St	Stonecutter.
John M. Frederick	35	10 "	"	" 1724 Harford Ave	Shoemaker.
John Conway	42	14 " 9 mo.	Engineman	" 909 Columbia Ave	Machinist.
John J. Cahill	33	4 " 10 "	Ass't Engineman.	" 909 McHenry St	"
Edward R. McCullough	40	1 " 7 "	" "	" 7 N. Bond St.	Engineer.
Mark Hill	43	7 " 8 "	Hostler	" 1604 W. Franklin St	Tinner.
Charles L. Schulte	39	5 " 1 "	Pipeman	" 1118 S. Paca St	Butcher.
Frank J. Lavender	26	2 " 5 "	"	" 228 N. Pine St	Laborer.
August Lange	30	4 " 1 "	"	" 818 St. Peter St	Cigar-maker.
John Kahl	28	3 " 10 "	"	" 10 E. Hamburg St	Driver.
William E. Stewart	28	4 " 1 "	"	" 129 N. Front St	Iron-moulder
John A. Henneman	34	2 " 8 "	"	" 617 George St	Driver.
Ebenezer Pyle	31	1 " 7 "	"	" 1115 Hanover St	Clerk.
Michael J. Ready	28	1 " 7 "	"	" 528 N. Calvert St.	Wood-turner.
Charles P. Griffin	45	1 "	"	" 1141 Cross St	Salesman.
Joseph H. Kraft	34	1 " 4 mo.	"	" 600 N. Monroe St	Paperhanger.
John J. Flynn	30	3 months	"	" 1020 Eastern Ave	Marine Engineer.
Charles A. Litchfield	24	4 days	"	" 217 S. Mount St	Machinist.
John F. Stegman	28	2½ months	"	" 1217 Marshall Ave	Huckster.

No. 16 ENGINE COMPANY, FIRE-BOAT.—*Location Commercial Wharf.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
James B. Bortell	32	9 years 3 mos.	Captain	No. 9 N. Bond st	Ship rigger.
Louis Harrer	40	5 "	Lieutenant	" 227 S. Caroline st	Pile driver.
Wm. C. Stallings	49	6 " 1 mo.	Pilot	" 309 S. Ann st	Pilot.
Iverson J. Moon	43	2 mos.	Pilot	" 725 S. Hanover st	"
Thomas H. Meushaw	41	10 "	Engineman	" 2204 E. Lombard st	Machinist.
William L. Sbisa	33	1 " 5 mos.	Ass't Engineman.	" 2127 E. Lombard st	Marine engineer.
Joseph Zeidler	45	4 " 11 "	" "	" 2009 Gough st	Marine engineer.
James H. Hoey	50	5 " 6 "	Stoker	" 218 S. Castle st	Stoker.
Lawrence T. Rudolph	24	2 " 10 "	"	" 1414 Riverside ave	Machinist.
John Stanton	34	2 " 10 "	"	" 2206 E. Lombard st	Boilermaker.
Joseph M. Diggs	29	1 " 7 "	Pipeman	" 214 S. Castle st	Iron moulder.
John T. Seabreeze	52	4 " 10 "	"	" 1202 Gough st	Painter.

No. 17 ENGINE COMPANY.—*Located Corner of Fort Avenue and Haubert Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
John Prenger	45	7 years 8 mos.	Captain	No. 1411 Hull street	Machinist.
Paul Linde	30	6 " 10 "	Lieutenant	" 537 W. Dolphin st	Canmaker.
Thomas F. Sexton	43	9 " 6 "	Engineman	" 109 W. Clement st	Machinist.
John I. Cranford	28	4 " 9 "	Asst. Engineman.	" 1400 E. Fort ave	Machinist.
Casper Kraft	37	5 "	Hostler	" 1301 Riverside ave	Driver.
James Catterton	48	11 "	Pipeman	" 1416 William st	Painter.
John Moeller	30	4 "	"	" 1330 E. Fort ave	Packer.
Thomas Voyce	37	8 " 9 mos.	"	" 529 East Fort ave	Boilermaker.
Frank A. Kraft	27	3 " 5 "	"	" 1424 Decatur st	Painter.
Peter Lohman	39	1 " 5 "	"	" 681 E. Clement st	Laborer.
John F. Moran	36	2 "	"	" 1113 William st	Ironmoulder.
Daniel Vogelgesang	40	7 " 7 mos.	"	" 1425 Covington st	Canmaker.

No. 18 ENGINE COMPANY.—*Located on Twenty-First Street, Near Maryland Avenue.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
John H. Morgan	47	25 years	Captain	No. 2360 Oak st	Paperhanger.
William H. Quincy	42	4 " 10 mos.	Lieutenant	" 402 East North ave.	Marble-cutter.
Thomas S. Brown	38	11 "	Engineman	" 122 West 24th st	Machinist.
Elijah J. B. Moore	34	2 " 8 mos.	Asst. Engineman.	" 1306 Valley st	"
John W. Potts	40	9 "	Hostler	" 2356 Oak st	Driver.
Robert H. Blatchley	27	4 " 10 mos.	Pipeman	" 318 West 21st st	Coach-painter.
Michael J. Griffin	35	4 " 10 "	"	" 314 West 21st st	Hostler.
William C. McKenna	35	3 " 5 "	"	" 322 West 21st st	Tinner.
William J. McDonald	30	2 " 8 "	"	" 205 West 24th st	Canmaker.
George U. McFadden	29	5 " 7 "	"	" 3070½ Cedar ave	Carpenter.
Thomas H. Sutton	27	2 " 8 "	"	" 2441 Barclay st	Motorman.
Joseph J. Presley	30	4 " 10 "	"	" 1420 Druid Hill ave	Car-driver.

No. 19 ENGINE COMPANY.—*Located Corner of North Avenue and Bond Street.*

Name.	Age.	Time of service.	Position.	Residence.	Former Occupation.
Benjamin Price	53	18 years 8 mos.	Captain	No. 1615 Atlantic ave	Coffee-roaster.
George E. Croucher	35	10 "	Lieutenant	" 1849 West Chester st.	Canmaker.
John N. Bletzer	34	9 "	Engineman	" 722 South Bond st	Machinist
Jacob S. Corns	44	17 "	Asst. Engineman.	" 1812 N. Broadway	"
Michael J. Farley	35	8 "	Hostler	" 1827 North Bond st	Car-driver.
John F. Maguire	29	4 "	Pipeman	" 1843 N. Regester st	Shipping clerk.
Nicholas Barrett	30	2 " 6 mos.	"	" 519 North Exeter st.	Horseshoer.
Charles C. Neilson	44	19 "	"	" 1622 North Wolfe st.	Bricklayer.
Harry F. Bodge	39	5 " 6 mos.	"	" 1708 Hopkins ave	Hardwood finsh'r
Martin Kirby	52	16 "	"	" 1610 Oliver st	Trunkmaker.
Louis Lohmann	37	2 " 9 mos.	"	" 1546 North Gay st	Varnisher.
James Radford	33	9 "	"	" 1712 E. Lanvale st	Driver.

No. 20 ENGINE COMPANY.—*Located on West North Avenue, Near Tenth Street.*

Name.	Age.	Time of Service,	Position.	Residence.	Former Occupation.
George F. Kennard	30	6 years 4 mos.	Captain	No. 3024 Northwest st	Clerk.
William I. Johns	38	9 " 4 "	Lieutenant	" 1430 E. Lanvale st	Bricklayer.
Thomas F. Sadler	38	1 " 1 "	Engineman	" 1319 Edmondson ave.	Machinist.
William H. Hardy	33	2 " 9 "	Ass't Engineman.	" 328 S. Poppleton st.	"
John I. Buck	28	1 " 3 days.	Hostler	" 1722 Eighth st.	Bricklayer.
J. Oscar Healey	63	37 "	Pipeman	" 2905 Walbrook ave.	Carpenter.
Philip Bowen	46	19 "	"	" 3022 Northwest st.	Cigarmaker.
Samuel W. Marker	46	18 "	"	" 208 N. Arlington ave	Carpenter.
Hugh P. Fox	38	5 " 9 days.	"	" 1904 Braddish ave.	Blacksmith.
William J. Watkins	35	2 " 5 "	"	" 625 N. Payson st.	Cotton inspector.
Richard H. Hobson	34	1 " 4 "	"	" 1901 Braddish ave	Laborer.
Walter J. Woods	45	8 mos. 19 "	"	" 2800 W. Lanvale st	Carpenter.

No. 21 ENGINE COMPANY.—*Located Corner Roland Avenue and Oliver Place.*

Name.	Age.	Time of service.	Position.	Residence.	Former Occupation.
Lawrence Pistel	47	25 years	Captain	No. 1544 Argyle ave	Cigarmaker,
John T. Owens	25	1½ "	Lieutenant	" 1748 N. Chester st.	Electrical winder
J. H. Hedrick	33	1 "	Engineman	" 121 N. Pat. Park ave.	Machinist.
T. S. Roberts	37	8 months	Ass't Engineman.	" 2512 York road	"
T. A. Wann	29	9 "	Hostler	" 508 Oliver Place	Motorman-
J. F. Schaefer	60	9 years	Pipeman	" 719 W. Baltimore st.	China Packer.
James L. Clarken	39	9 years	"	" 226 Hickory ave.	Driver.
Burke Whitmore	22	6 months	"	" 122 David ave	Laborer.
C. E. Zimmerman	29	3 "	"	" 1629 E. Monument st.	Driver.
H. C. Walters	23	2 "	"	" 1805 Bethel st	Sailor.
William J. Bateman	23	2½ "	"	" 209 E. Hamburg st.	Varnisher.
John Bell	40	3 "	"	" 34 S. Caroline st.	Porter.

No. 1 HOOK AND LADDER COMPANY.—*Located on Harrison street, near Fayette Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
E. Louis Shipley	37	6 years 6 mos.	Captain	No. 1819 Druid Hill ave.	Shoemaker.
Q. A. G. Hughes	34	1 " 16 days.	Lieutenant	" 1811 Fairmount ave..	Freight handler.
Geo. W. Haskell	52	21 "	Tillerman	" 325 S. Ann st.	Carpenter.
A. J. Orr	27	4 " 4 days.	Asst. Tillerman.	" 1429 Block st.	Stoker.
John T. Mulligan	37	14 "	Hostler	" 14 N. Front st.	Driver.
Z. T. Seabreeze	49	7 "	Ladderman	" 211 Gough st.	Driver.
Joseph Daily	45	17 "	"	" 132 N. Exeter st.	Stonecutter.
James P. Lyons	26	2 " 9 days.	"	" 735 E. Baltimore st.	Horseshoer.
John R. Herr	26	2 " 2 "	"	" 2313 Fairmount ave..	Clothing cutter.
Wm. G. Schultz	25	1 " 7 "	"	" 329 S. Ann st.	Boxmaker.
James McGee	39	3 "	"	" 7 N. Fremont ave.	Driver.

No. 2 HOOK AND LADDER COMPANY.—*Located on Paca Street, near Fayette Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Emil Heise	38	7 years 9 mos.	Captain	No. 1208 Jackson st.	Furniture Packer
John L. Emerson	29	6 "	Lieutenant	" 2301 Druid Hill ave.	Painter.
John W. Blake	61	27 "	Tillerman	" 212 North Paca st...	Machinist.
William H. Stapf	30	5 " 5 mos.	Asst. Tillerman..	" 423 W. Mulberry st.	Driver.
Thomas Montgomery	56	27 "	Hostler	" 121 North Paca st ..	Driver.
Cooper Elliott	45	10 "	Ladderman	" 1318 E. Monument st.	Driver.
Fredk. W. Johnston, Jr.	28	3 " 8 mos.	"	" 1120 W. Saratoga st..	Carpenter.
Charles L. Steinwedel ..	29	10 months	"	" 13 Pulaski st.	Laborer.
William P. Burke	34	2 years 8 mos.	"	" 2020 Eastern ave.	Boilermaker.
George E. McNeil	25	4½ months	"	" 607 S. Pater'n Pk.av.	Stoker.
Edgar T. Beach	25	4½ months	"	" 1026 Harford ave.	Steamfitter.

No. 3 HOOK AND LADDER COMPANY.—*Located on South Ann Street, near Gough Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
George W. Foxwell	51	27 years	Captain	No. 1911 Bank st	Shipwright.
Peter Nelson	39	8 "	Lieutenant	" 14 South Ann st.	Seaman.
John N. Downs	49	27 "	Tillerman	" 2121 Orleans st.	Painter.
John Koos	35	9 "	Asst. Tillerman.	" 1934 E. Lombard st.	Canmaker.
William Hastler	34	4 " 7 mos.	Hostler	" 1926 Bank st	Hostler.
John McClellan	64	27 "	Ladderman	" 1814 Fairmount ave.	Sailmaker.
James F. Reilly	45	23 "	"	" 1633 E. Lombard st.	Painter.
Frederick Grouling	33	5 "	"	" 2031 Canton ave	Laborer.
Christian Fitzburger	27	2 " 9 mos.	"	" 123 S. Caroline st	China-packer.
Harry Courtney	38	1 " 8 "	"	" 1827 Ensor st.	Stonecutter.
Michael E. Lynch	37	4 "	"	" 712 South Dallas st.	Laborer.
T. Edward Burch	36	1 " 3 mos.	"	" 2209 Gough st.	Tinner.

No. 4 HOOK AND LADDER COMPANY.—*Located on Biddle Street, near Druid Hill Avenue.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Andrew J. Bilson	46	1 year 6 mos.	Captain	No. 19 East Lanvale st.	Plasterer.
Henry J. Carle	27	1 " 8 "	Lieutenant	" 1006 Pennsylvania av	Electrotyper.
John J. Kurne	38	10 years	Tillerman	" 415 W. Hoffman st.	Shoemaker.
Henry C. Kabernagle	38	1 year 8 mos.	Asst. Tillerman.	" 1205 Winchester st.	Laborer.
Andrew J. Connelly	42	16 years 7 mos.	Hostler	" 411 North Pine st.	Driver.
George E. Gill	39	6 "	Ladderman	" 319 N. Schroeder st.	Painter.
Charles Sapp	36	3 " 11 mos.	"	" 1418 West Pratt st.	Laborer.
Samuel Seymour	37	11 "	"	" 829 East Fort ave.	Canmaker.
Frank A. Hansson	29	5 " 3 mos.	"	" 905 W. Mulberry st.	Blacksmith.
Henry V. Moller	31	3 " 9 "	"	" 1324 Valley st	Gripman.
Clarence Kirby	37	1 " 19 days.	"	" 2442 Frances st.	Carpenter.
Alexander McFaul	29	8 mos.	"	" 2021 Gough st	Carpenter.

No. 5 HOOK AND LADDER COMPANY—*Located on Aisquith Street near Oliver Street.*

Name.	Age.	Time of Service.	Positon.	Residence.	Former Occupation.
Thomas J. Strahler	38	18 years	Captain	No. 1320 Ensor st.	Tinner.
Lawrence Blake	51	26 "	Lieutenant	" 1543 Aisquith st	Painter.
Peter B. Mullen	38	6 "	Tillerman	" 1332 Hillman st	"
Harry A. Donahoo	29	1 " 19 days	Asst. Tillerman	" 2116 E. Biddle st	Cutter.
William Quinn	48	10 "	Hostler	" 1033 N. Eden st	Driver.
William Wiley	55	10 "	Ladderman	" 1308 Harford ave	Cigarmaker.
James McCarron	26	2 " 9 mos.	"	" 2002 E. Chase st	Potter.
William H. Cullen	40	7 "	"	" 1029 Valley st	Butcher.
Frederick W. Harman	33	5 "	"	" 405 N. Spring st	Brassfinisher.
George F. Thompson	45	5 " 8 mos.	"	" 1049 Harford ave	Straw Hatmaker.
Robert T. Creamer	30	10 "	"	" 597 N. Gay st	Carpenter.
James T. Higdon	28	6 "	"	" 513 Wyeth st	Driver.

No. 6 HOOK AND LADDER COMPANY—*Located Northeast Corner Hanover and Ostend Streets.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Thomas D. O'Keefe	32	10 years	Captain	No. 1343 South Charles st.	Driver.
Franklin A. Teal	25	2 "	Lieutenant	" 1206 Light st	Street Paver.
James J. Gill	42	18 "	Tillerman	" 8 East West st	Moulder.
Amos G. Bramble	29	3 "	Asst. Tillerman	" 1303 Hanover st	Driver.
Louis Matthaei	33	6 "	Hostler	" 1419 "	Driver.
Edward S. McDonnell	30	2 "	Ladderman	" 110 Bloomberry st	Machinist.
Henry Toepfer	30	5 "	"	" 1415 Hanover st	Baker.
Charles F. Fay	40	5 "	"	" 21 East Ostend st	Carpenter.
William Leonard	41	4 "	"	" 1116 Hanover st	Driver.
Joseph Neubert	46	3 "	"	" 1364 Andre st	Electrician.
Philip J. Knell	39	8 months	"	" 1426 South Charles st.	Driver.
Henry Ludwig	47	6 years	"	" 865 Ramsey st	Boxmaker.

No. 7 HOOK AND LADDER COMPANY.—*Locted at Waverly.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation-
Andrew J. McCormick..	38	7 years.....	Hostler ..,.....	No. 503 Friendship lane..	Car driver,

No. 8 HOOK AND LADDER COMPANY.—*Located on Brunswick Street, Near Frederick Road.*

Name.	Age.	Time of service.	Position.	Residence.	Former Occupation-
John L. Durham.....	34	8 years 7 mos..	Hostler ..,.....	No. 137 Millington ave...	Plumber.

No. 9 HOOK AND LADDER COMPANY.—*Located Corner Roland Avenue and Oliver Place.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
John W. Schaffer.....	31	4 years 11 mos.	Hostler.....	No. 304 Elm ave.....	Moulder.

No. 10 HOOK AND LADDER COMPANY.—*Located on Lafayette Avenue, Between Stricker and Gilmor Streets.*

Name.	Age.	Time of Service.	Position.		Residence.	Former Occupation.
Malcolm W. Jordan....	28	5 years 5 mos.	Captain.....	No.	502 W. Biddle st...	Driver.
William A. Meushaw...	46	11 "	Lieutenant.....	"	922 N. Mount st....	Mariner.
William F. Beall.....	37	11 "	Tillerman.....	"	1527 W. Lanvale st..	Canmaker.
John J. Purcell.....	27	1 " 8 mos.	Asst. Tillerman..	"	1113 N. Gilmor st....	Carpenter.
Thomas H. Wright.....	43	13 "	Hostler.....	"	1608 W. Mulberry st.	Driver.
John Sullivan.....	34	7 "	Ladderman.....	"	1007 N. Calhoun st..	Painter.
Charles E. Brown.....	29	4 " 2 mos.	"	"	808 N. Carey st.....	Laborer.
Conrad Garbe.....	31	1 " 7 mos.	"	"	26 E. Hamburg st..	Canmaker.
George E. Fornwalt....	29	7 months.....	"	"	814 N. Gilmor st....	Fireman.
William White.....	52	30 years	"	"	1101 N. Carrolton ave	Carpenter.
William H. Siebert.....	35	3 months.....	"	"	3128 Elliott st.....	Stevedore.
John J. Clancy.....	30	3 months.....	"	"	1626 Lamont ave	Canmaker.

No. 1 CHEMICAL ENGINE COMPANY.—*Located on Brunswick Street, near Frederick Road.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Edward W. Steinacker..	37	9 years 6 mos.	Captain	No. 5 Brunswick st...	Hostler.
John A. Epp.....	35	4 " 10 " .	Hostler	" 434 Frederick ave ..	Cabinetmaker.
Antone Yienger.....	32	7 " 6 " .	Pipeman	" 2210 Wilkens ave....	Candymaker.

No. 2 CHEMICAL ENGINE COMPANY.—*Located on Mary Street, near Retreat Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
James K. Merriken.....	35	9 years 5 mos..	Captain	No. 3019 Penna. ave	Driver.
Christian Freyer.....	38	4 " 8 " ..	Hostler.....	" 2013 Walbrook ave ..	Blacksmith.
John M. Gilleland.....	30	2 " 8 " ..	Pipeman	" 1301 Winchester st ..	Driver.

No. 3 CHEMICAL ENGINE COMPANY.—*Located at No. 18 Engine House, Twenty-first Street, near Oak Street.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
James A. Clark.....	33	6 years 4 mos.	Captain	No. 320 W. 21st st.....	Car driver.
James B. Kelly.....	40	11 "	Hostler	" 559 Laurens st.....	Driver.
Charles M. Johannes....	31	2 " 10 mos.	Pipeman	" 2107 Jefferson pl.....	Stonecutter.

No. 4 CHEMICAL COMPANY.—*Located at Waverly.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
William H. Taylor	56	9 years	Captain	No. 3108 York road	Conveyancer.
William Lamb	35	3 " 4 mos.	Hostler	" 156 Old York road ..	Car-driver.
James Hart	41	8 "	Pipeman	" 122 Old York road ..	Carpenter.

No. 5 CHEMICAL COMPANY.—*Located at Homestead.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
Robert H. Dougherty...	40	9 years	Captain	No. 514 Jefferson st.....	Undertaker.
Henry J. Linck	45	2 " 10 mos.	Pipeman	" 21 Taylor st	Butcher.
Ambrose Spangler.....	32	2 " 19 days	Hostler	" 18 Gorsuch av.....	Driver.

No. 6 CHEMICAL COMPANY.—*Located on Belair Avenue.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
John A. McKew.....	30	4 years 7 mos.	Captain	No. 2028 East Preston st .	Machinist.
Zachariah H. Foote.....	33	5 " 10 "	Hostler	" 68 Belair ave	Moulder.
Oliver F. Cannoles	35	8 mos.....	Pipeman	" 1409 North Gay st...	Carpenter.

No. 7 CHEMICAL COMPANY—*Located Corner Roland Avenue and Oliver Place.*

Name.	Age.	Time of Service.	Position.	Residence.	Former Occupation.
James J. Reynolds	39	8 years 5 mos..	Captain	No. 431 Roland ave	Car Driver.
Edward E. Harp	25	2 mos. 15 days.	Hostler	" 3106 Cedar ave	Lineman.
John L. Thomas	29	5 years 6 mos..	Pipeman	" 295 Chestnut ave	Blacksmith.
John R. Miller	27	2 " 9 " ..	Ladderman	" 729 Third ave	Carpenter.

PROBATIONARY FIREMEN.

Name.	Age.	Time of Service.	Company Assigned to.	Residence.	Former Occupation.
J. A. DePuey	34	3 months	No. 8 Engine Co.	No. 1931 W. Lanvale st..	Paperhanger.
Louis Herman	27	3 "	" 16 "	" 323 S. Caroline st..	Machine hand.
Herman Seeger	30	3 "	" 1 Chem. Co..	" 1926 Frederick ave..	Cigarmaker.
George S. Koller	25	2 " 23 days.	" 7 Engine Co.	" 618 East Clement st.	Railroad fireman
William S. Couzens	36	2 " 4 "	" 1 "	" 1414 E. Lanvale st..	Collarmaker.
Charler Hesse	29	1 " 28 "	" 5 H. & L. Co.	" 1126 E. Lombard st.	Shoemaker.
M. R. Quigley	33	1 " 12 "	" 13 Engine Co.	" 817 George st	Plumber.
G. W. Batchelor	35	1 " 7 "	" 3 "	" 1533 Marshall ave...	Salesman.
J. J. Schlag	30	1 " 6 "	" 4 "	" 1114 Scott st	Moulder.
C. L. Wain	29	23 "	" 9 "	" 2125 Madison ave	Gripman.
W. R. Bolgiano	37	16 "	" 1 H.& L. Co.	" 768 West Cross st...	Clerk.
G. L. Krausz	30	16 "	" 15 Engine Co.	" 205 Grindall st	Brushmaker.
G. W. Stewart	23	16 "	" 12 "	" 1141 South Sharp st.	Bottler.
George Hanauer	23	16 "	" 4 Chem. Co..	" 405 North Castle st.	Tinner.
George J. Hamilton	22	16 "	" 2 H.& L. Co.	" 411 N. Howard st..	Driver.
G. E. Wellslager	25	16 "	" 11 Engine Co.	" 1906 Bank st.	Press hand.
F. H. Carr	22	16 "	" 14 "	" 338 South Mount st.	Steamfitter.
James G. Guy	29	16 "	" 15 "	" 1929 E. Fayette st...	Railroad fireman
John Watson	24	16 "	" 10 "	" 903 W. Mulberry st.	Carpenter.
Howard Waite	22	16 "	" 19 "	" 1559 North Gilmor st.	Painter.

FIRE RECORD.

1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
January										
Fri. 1..	263	4.08	.....	1512 N. Dallas st.	Robert Stewart.	Stable.	9, 19	5	Two-story frame	Loss, $120.31. Recall 5.07 a. m.; unknown.
Fri. 1..	327	.....	5.55	1601 Linden ave.	Abraham Aaronson.	Dwelling.	.....	4	Three-story brick.	Loss, $148.50. Recall 6.16 p. m.; child dropping a lighted match in drawer,
Fri. 1...	176	.....	6.12	219 Montford ave.	Lydia Davis.	Dwelling.	9	.....	Three-story brick.	Loss, $106. Recall 6.32 p. m.; lighted candle ignited Christmas tree.
Sat. 2..	48	10.08	.....	10 Hafer st.. Annex.	Henry Gehring.	Grocery store & dwelling.	14, 20, 1	.....	Two-story brick	Loss, $100. Recall 10.36 a. m.; defective flue.
Sat. 2..	137	.....	6.03	505 W. Pratt st.	Joseph Monanto	Eating house.	.....	10	Four-story brick.	Loss, $5. Recall 6.13 p. m.; gasoline stove taking fire.
Mon. 4..	129	.....	1.22	14 N. Calhoun st.	D. G. Bennotte.	Dwelling.	14	.....	Three-story brick.	Loss, $53. Recall 1.39 p. m.; unknown.
Mon. 4..	43	.....	7.03	1 N. Penn st	Christian Scholl	Saloon and dwelling.	1	.....	Three-story brick.	Loss, $10. Recall 7.11 p. m.; lighted pipe in bed.
Tues. 5..	15	.....	1.36	1520 Bank st.	George Banon.	Dwelling.	3, 5	3	Two-story-and-attic brick.	Loss, $162. Recall 1.59 p. m.; children playing with matches.

Wed.	6..	154	.....	12.03	428 Philpot st.	Martin Wagner.	Can factory.	5	3	Three-story brick.	Loss, $250. Recall 12.19 p. m.; explosion of a gasoline tank.
Thurs.	7..	465	2.34	.....	2016 W. Pratt st.	John Graham.	Blacksmith and dwelling.	8, 14	10	Three-story brick.	Loss, $90. Recall 3.34 a. m.; defective flue.
Thurs.	7..	264	6.05	.....	625 N. Bond st.	Samuel L. Royal	Studio and dwelling.	9	5	Three-story brick.	Loss, $186. Recall 6.36 a. m.; unknown.
Thurs.	7..	161	6.13	.....	1734 Aliceanna st.	Ernest Weaderick.	Saloon and dwelling.	.....	3	Three-story brick.	Loss, $324. Recall 6.25 a. m.; explosion of coal-oil stove.
Thurs.	7..	41	9.15	.....	17 E. Fayette st.	George H. Byrd.	Dwelling.	4	.....	Three-story-and-attic brick.	Loss, $47. Recall 9.23 a. m.; sparks from chimney.
Thurs.	7..	235	.....	7.01	707 N. Chester st.	Edward Modlin.	Dwelling.	.....	.....	Two-story brick	Loss, $2.50. Recall 7.13 p. m.; overflow of a gasoline stove.
Thurs.	7..	62	.....	7.51	1050 William st.	Leopold Bopp.	Dwelling.	.....	6	Three-story brick.	Loss, $40. Recall 8.30 p. m.; defective flue.
Fri.	8..	475	12.09	.....	519 N. Mount st.	Henry Dill.	Dwelling.	.....	.....	Two-story brick	Loss, none. Recall 12.19 a. m.; unknown.
Fri.	8..	525	1.45	.....	135 W. Pratt st.	Morris Wettgenstein.	Store & dwelling.	1, 15	2	Two-story-and-attic brick.	Loss, $904.56. Recall 2.28 a. m.; overheated furnace.
Fri.	8..	266	.....	5.33	1238 Edward st.	Miss Annie M. Hurley.	Dwelling.	6, 9	5	Three-story brick.	Loss, $325. Recall 6.28 p, m,; hot stove igniting lambrequin.

Date.	Box.	Hour A. M	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Fri. 8..	346	.....	7.19	325 and 327 West Madison st.	Thos. W. Gordon.	Saloon and dwelling.	7	.....	Two-story-and-attic brick.	Loss, $20. Recall 7.32 p. m.; overheated smokestack.
Fri. 8..	51	.....	10.07	13, 15, 17 and 19 Balderston st.	Clotworthy Chem. Wks.	Mfg. baking powder.	2, 3, 4	1, 2	Four-story brick	Loss, $14,535.31. Recall 11.57 p. m.; unknown.
Sat. 9..	623	.....	3.47	15 W. Church st.	Thos. Armstrong	Dwelling.	.....	6	Two-and-a-half-story brick.	Loss, $20. Recall 4.02 p. m.; unknown.
Sun. 10..	639	.....	9.41	1308 Garrett ave.	Jules Morkonski	Dwelling.	17	.....	Two-story brick	Loss, $64.80. Recall 9.45 p. m.; upset-setting coal-oil lamp.
Sun. 10..	527	.....	9.44	208 S. Howard st.	Vincent Verdi.	Barber shop & dwelling.	15	2	Three-story brick.	Loss, $239.80. Recall 11.20 p. m.; unknown.
Mon. 11..	161	.....	7.03	526 S. Ann st.	Fred'k Nilgent.	Tenement.	.....	.....	Two-story-and-attic brick.	Loss, $15. Recall 7.10 p. m.; children playing with matches.
Mon. 11..	242	.....	10.10	715 Greenmount avenue.	Samuel H. Barry	Dwelling.	4, 6, 9	5	Two-story-and-attic brick.	Loss, $265. Recall 11.51 p.m.; unknown.
Wed. 13..	399	.....	12.17	242 Carroll st., Annex.	John B. Edrington.	Dwelling.	.....	.....	Two-story brick	Loss, none. Recall 12.28 p.m.; mice gnawing matches.

Wed.	13..	275	.....	4.08	1728 E. Preston.	James Farley.	Store and dwelling.	.....		Two-story brick	Loss, $15. Recall 4.24 p.m.; Pouring coal-oil on hot stove.
Thur.	14..	158	11.14	.....	1624 Thames st.	Joseph Lesicoki &c.	Tenement.	5	3	Three-story brick.	Loss, $75.11. Recall 11.36 a.m.; unknown.
Thur.	14..	473	11.23	.....	328 N. Gilmor.	Hugh O'Farrell.	Dwelling.	.....		Three-story brick.	Loss, none. Recall 11.33 a.m.; burning rags.
Thur.	14..	437	.....	9.07	624 to 630 W. Pratt street.	Bagby & Rivers.	Furniture factory.	1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15 17	1, 2, 4, 6	Five-story brick	Loss, $18,152.63. Recall 4.19 p.m. on 16th January; unknown.
2222			.....	9.12							
Thur.	14..	251	.....	10 20	822 Ensor st.	Jacob Herman, and others.	Tenement.	.....	.....	Three-story brick	Loss, $49. Recall 10.30 p.m.; explosion of coal-oil lamp.
Fri.	15..	413	.....	6.36	35 W. Lexington st	Eva Felheimer.	Store, millinery.	Chem. 15	2	Three-story brick.	Loss. $1,094. Recall 7.27 p.m.: unknown.
Sat.	16..	613	.....	12.30	805 Covington st.	Mary Bosley.	Saloon and dwelling.	12	6	Three-story brick.	Loss, $147.50. Recall 12.55 p.m.; overheated stovepipe.
Sat.	16..	251	.....	1.23	1105 Ensor st.	Jacob Kaistler.	Barber shop & dwelling.	... .	5	.....	Loss, $73. Recall 1.55 p.m.; overheated stove.
Sat.	16..	31	.....	4.48	503 Hargrove al.	James H. Jones.	Dwelling.	4	1	Three-story brick.	Loss, $6.50. Recall 4.59 p.m.; burning soot.
Sat.	16..	135	.....	7.40	S. E. cor. of Block and Point sts.	Jesse Tyson.	Carpenter shop.	3	1, 3	One-story attic brick.	Loss, $150. Recall 8.48 p.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sun. 17..	14	1.51	.....	1026 Webb alley.	Jacob Finhelstein.	Dwelling.	3, 4, 5, 6	1, 3	Two-story brick.	Loss, $110.94. Recall 3.54 a.m.; unknown.
				1024 " "	Jacob Orth.	Dwelling.	.....	.....	Two-story brick.	
Sun. 17..	229	2.04	.....	15 N. Washington st.	Marie Rodman.	Stable.	9, 11	5	One-story frame.	Loss, $60. Recall 2.58 a.m.; unknown.
Sun. 17..	415	9.40	.....	6 and 8 North Howard st.	John Reanor.	Hotel.	.....	.....	Four-story brick	Loss, none. Recall 9.45 a.m.; smoke from chimney.
Mon. 18..	419	5.25	.....	229 N. Eutaw st.	J. Pels & Son.	Shoe store.	.....	2	Three-story brick.	Loss, $272.80. Recall 5.41 a.m.; electric wire.
Tues. 19..	26	10.07	.....	643 N. Central avenue.	John Eigner.	Dwelling.	.....	.....	Three-story brick.	Loss, $130.90. Recall 10.21 a.m.; ignited from lighted gas jet, (Christmas tree).
Tues. 19..	442	.....	5.16	650 W. Fayette st.	Mrs. Mary Jenkins.	Dwelling.	1, 15	2	Two-and-a-half-story brick.	Loss, $429.29. Recall 5.58 p.m.; unknown.
Wed. 20..	496	5.24	.....	North ave. W. of Slingluff lane, Annex.	Unoccupied.	Dwelling.	14, 20 Chem. 1, 2	8	Three-story brick.	Loss, $1,466.46. Recall 9.11 a.m.; supposed incendiary.

Wed.	20..	336	7.52	.....	402 State st.	Horace Hill.	Dwelling.	1, 7, 8, 15	2, 4	Two-and-a-half-story brick.	Loss, $360.77. Recall 9.09 a.m., overheated stove.
					404 State st.	May F. Bond.	Dwelling.	.....		Two-and-a-half-story brick.	
					406 State st.	Patrick Henry.	Dwelling.	.....		Two-and-a-half-story brick.	
					408 State st.	Nelson Ball.	Dwelling.	.....		Two-and-a-half-story brick.	
Thur.	21..	463	.....	9.52	.....	.....	.....	.....	.....	.....	Loss, none. Recall 10.01 p.m.: false alarm.
Sat.	23..	317	3.58	.....	701 St. Paul st.	Wm. Williams.	Shed.	4, 7	4	One-story frame	Loss, $15. Recall 4.18 a.m.: hot ashes in shed.
Sat.	23..	485	.....	3.11	Loudon Park Cemetery, Annex.	Harry Primrose.	Dwelling.	14 Chem. 1	8	Two-story frame	Loss, $5,904.29. Recall 7.16 p.m.: explosion coal oil stove.
Sat.	23..	336	.....	3.46	335 State st.	Harry Robinson	Dwelling.	.....	2	Two-and-a-half-brick.	Loss, none. Recall 4.28 p.m.: burning rubbish.
Sun.	24..	331	.....	12.43	119 W. Franklin street.	Miss Mollie Eaton.	Dwelling.	.....	4	Four-story brick	Loss, none. Recall 1.45 p.m.: burning Chimney.
Sun.	24..	493	.....	2.13	284 Rayner ave., Annex.	Dr. E. J. Borwicke.	Dwelling.	20	.....	Three-story brick.	Loss, $147.80. Recall 2.47 p.m.: explosion of a coal oil stove.
Mon.	25..	532	6.57	.....	663 W. Barre st.	John C. Storey.	Dwelling.	2	.....	Three-story brick.	Loss, none. Recall 7.09 a.m.: hot ashes.
Mon.	25..	516	9.46	.....	Foot of Eutaw st.	Diggs Bros.	Saw mill.	.....	6	One-story frame	Loss, $126.80. Recall 10.17 a.m.; sparks from chimney.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Mon. 25.. Automatic	87	.....	12.48	215 to 219 W. Lexington st.	Posner Bros.	General store.	.....	2	Four-story brick	Loss, none. Recall 12.56 p.m.; upsetting coal oil stove.
Mon. 25..	247	.....	11.21	624 Aisquith st,	Wm. H. Beale.	Cigar manufactory.	6	.....	Two-story brick	Loss, $26. Recall, 11.39 p.m.; unknown.
Mon. 25..	137	.....	11.53	Foot of Mill st.	J. H. Seward.	Shed.	3	1	One-story frame	Loss, 4,699.65. Recall 4.52 a.m.; heat from ash pan.
Tues. 26..	282	6.45	.....	Erdmans ave., Annex.	Matthew Richardson.	Hot house.	Chem. 5, 6	.....	One-story frame	Loss, $450. Recall 7.37 a.m.; overheated furnace.
Tues. 26..	712	10.24	.....	63 Cedar ave., Annex.	Solom'n P. Davis	Grocery store & dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 10.45 a.m.; explosion of a gasoline stove.
Tues. 26..	172	11.14	.....	28 S. Patterson Pk. avenue.	Unoccupied.	Dwelling.	11	.....	Three-story brick.	Loss, $38.58. Recall 11.30 a.m.; bursting of a water back.
Tues. 26..	48	.....	1.34	15 Frederick ave., Annex.	Ottenheimer Bros.	Stable.	14 Chem. 1	8	Two-story brick.	Loss, $75. Recall 2.17 p.m.; unknown.
Tues. 26..	367	.....	8.20	1228 Shields alley.	Ernest Coroumer.	Dwelling.	.....	4	Two-story brick.	Loss, $35. Recall 8.50 p.m.; overheated stove.
Tues. 26..	213	.....	8.39	312 and 314 N. Gay street.	Herbert Ross & others.	Saloon and dwelling.	6	1	Two-story-and-attic frame.	Loss, $115.13. Recall 9.23 p.m.; unknown.

Tues.	26..	418	.....	10.10	117 N. Howard st.	Meyer L. Straus.	Furniture store.	1, 15	1, 2	Four-story brick	Loss, $246.08. Recall 11.45 p.m.; unknown.
Wed.	27..	275	9.41	.....	1746 Federal st.	Mrs. Jane Clarke.	Store and dwelling.	19	5	Two-story brick.	Loss, $85. Recall 10.10 a.m.; defective flue.
Wed.	27..	493	.....	1.58	771 Church st., Annex.	Samuel Collins.	Dwelling.	20	8	Two-story frame	Loss, $50. Recall 2.30 p.m.; overheated stove.
Thur.	28..	124	.....	12.53	Bowly's Wharf and Smith st.	P. R. R. Co.	Fruit car.	.....	.....	Frame.	Loss, none. Recall 1.02 p.m.; flame from oil stove.
Thur.	28..	175	.....	1.17	2203 E. Pratt st.	Wm. C. Rowe.	Dwelling.	11	.....	Three-story brick.	Loss, $5. Recall 1.34 p.m.; heat from boiler.
Thur.	28..	38	.....	5.02	606 Chapel st.	Wm. F. Willing.	Dwelling.	.....	10	Two-story frame	Loss none. Recall 5.10 p.m.; wood in stove.
Thur.	28..	531	.....	6.01	731 Columbia ave.	Wm. H. Simmons & Co.	Candy factory	10, 15	2	Three-story brick.	Loss, $44,25. Recall 6.49 p.m.; unknown.
Thur.	28..	213	.....	7.01	231 N. Front st.	John Byrnes.	Dwelling.	6	5	Two-story-and-attic brick.	Loss, $34.56. Recall 7.21 p.m.; oil heater.
Thur.	28..	368	.....	8.01	715 Sarah Ann st.	Unoccupied.	Dwelling.	8	4	Three-story brick.	Loss, $45. Recall 8.29 p.m., incendiary.
Thur.	28..	428	.....	10.42	1019 Gelston ct.	George Gripp.	Storage house.	8, 13	2	Two-story brick	Loss, $177.11. Recall 12.07 a.m.; unknown.
Fri.	29..	145	.....	12.53	N. E. cor. Lloyd and Watson sts.	St. Jno. Lut. Catholic Cong.	Church.	3, 5, 9	3	Two-story brick	Loss, 735.33. Recall 2.00 p.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Fri. 29..	355	.....	2.10	200 W. Chase st.	Robert Winder, col.	Dwelling.	7	4	Two-story brick	Loss, $170.90. Recall 2.49 pm.; overheated stove.
Fri. 29..	341	.....	4.01	32 E. Preston st.	Wm. Johnson.	Dwelling.	18	4	Three-story brick.	Loss, $357. Recall 4.45 p.m.: lighted candle in closet.
Fri. 29..	493	.....	6.42	735 Church st., Annex.	Benjamin Banks	Dwelling.	.....	.....	Two-story frame	Loss, none. Recall 6.56 p.m.: explosion of coal oil lamp.
Sat. 30..	425	1.50	.....	924 W. Baltimore street.	Herman Isaacs.	Liquor store.	8	2	Three-story brick.	Loss, $12.60. Recall 2 a.m.: thawing water pipe.
Sat. 30..	217	11.15	.....	406 E. Monument street.	Arthur McDevitt.	Dwelling.	6	.....	Three-story brick.	Loss, $35. Recall 11.27 a.m.: unknown.
Sat. 30..	346	.....	2.59	1006 Plum alley.	Mrs. Alberta Smithers.	Dwelling.	.....	.....	Two-story brick	Loss, $20. Recall 3.04 p.m.: children playing with matches.
Sat. 30..	458	.....	3.02	1400 Argyle ave.	E. M. Flannery.	Club House.	13	10	Three-story brick.	Loss, $193.66. Recall 3.15 p.m.; explosion of an oil stove.
Sat. 30..	27	.....	7.10	806 N. Broadway.	Mrs. Ella Lefevre.	Dwelling.	9	5	Three-story brick.	Loss, $104.21. Recall 7.44 p.m.; unknown.

Sat.	30.	345	.....	9.04	102 Lafayette ave.	Miss Ida Lewis.	Dwelling.	18		5	Three-story brick.	Loss, $162.12. Recall 9.39 p.m.; child playing with a toy engine.
Sat.	30.	271	.....	9.18	915 N. Washington street.	Dominico Zelinski.	Tailor shop & dwelling.	6, 9		3	Three-story brick.	Loss, $512.38. Recall 10.41 p.m.; unknown.
Sat.	30.	39	.....	10.23	2300 Pennsylvania avenue.	E. Wilhelm.	Saloon and dwelling.	.....	.....	.....	Three-story brick.	Loss, none. Recall 10.31 p.m.; explosion of a gas meter.
Sun.	31.	427	.....	1.49	615 W. Lexington street.	Francis Joseph Pleasure Club.	Club house.	1, 15		2	Three-story brick.	Loss, $256.85. Recall 2.36 p.m.; explosion of a coal-oil stove.
Sun.	31.	457	.....	10.51	1101 N. Calhoun st.	H. F. Coates.	Saloon and dwelling.	13		10	Three-story brick.	Loss, $60. Recall 11.08 p.m.; explosion of a coal-oil stove.
February.												
Tues.	2.	217	.....	6.03	Hillen St. (Depot).	W. M. R. R. Co.	Box car.	6		1, 5	Frame.	Loss, $139.96. Recall 6.08 p.m.; unknown
Tues.	2.	318	.....	6.12	309 N. Charles st.	B. R. Westcott.	Shirt factory.	4, 15		2, 4	Three-story brick.	Loss, $308.17. Recall 6.45 p.m.; unknown
Tues.	2.	355	.....	10.03	Plover alley.	.....	Telegraph pole.	.....	.....	.....	.....	Loss, none. Recall 10.12 p.m.; electric wire.
Wed.	3.	339	6.14	.....	813 N. Calvert st.	Miss Mamie S. Stavoe.	Dwelling.	4, 7		4	Three-story brick.	Loss, $212.20. Recall 7.04 a.m.; unknown
Wed.	3.	247	.....	11.15	589 N. Gay st.	Wm. A. Korb.	Bakery and dwelling.	.....		5	Three-story brick.	Loss, none. Recall 11.31 p.m.; electric wire.
Thurs.	4.	153	12.07	.....	513 S. Spring st.	Fannie Bryer.	Lodging house	.....		3	Two-story-and-attic brick.	Loss, $20. Recall 12.14 a.m.; coal oil lamp thrown at a woman by a man.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Thurs. 4..	254	.....	7.55	411 E. Lafayette avenue.	Louis Small.	Dwelling.	18	5	Three-story brick.	Loss, $91.75. Recall 8.19 p.m.; explosion of a coal oil lamp.
Thurs. 4..	121	.....	10.39	107 Commerce st.	Fleet, McKinley & Co.	Warehouse.	3, 4, 15	1, 3	Four-story brick	Loss, $1,608.96. Recall 12.33 a.m. February 5; unknown.
Fri. 5..	474	1.50	.....	1007 N. Mount st.	Mrs. Mary Wright.	Dwelling.	13	.....	Three-story brick.	Loss, $54.75. Recall 1.58 p.m.; explosion of oil stove.
Fri. 5..	441	9.08	.....	468 W. Fayette st.	Hall, Heading-ton & Co.	Carpet ware-rooms.	.....	2	Four-story brick	Loss, $23.37. Recall 9.21 a.m.; careless handling of a lighted match by employee.
Sat. 6.. Automatic	889	.....	4.07	714 and 716 Water street.	Kirwan & Tyler	Can factory.	.....	.....	Three-story brick.	Loss, none. Recall 4.17 p.m.; heat from gasoline solder pot.
Sat. 6..	359	.....	7.43	947 Linden ave.	Mrs. Emily Irvin.	Ice cream Saloon.	.....	4	Two-story brick	Loss, $30. Recall 7.59 p.m.; explosion of coal oil lamp.
Sun. 7..	632	12.18	.....	S.W. cor. West and Jackson st.	Wm. Wehgan-tree & West. Union Tel. Office.	Telegraph Office.	12	6	Two-story brick	Loss, $272. Recall 1.26 a.m.; sparks from stove.

Mon.	8..	216	7.26	.....	1133 Low st.	Nathan Goldstein.	Tailor shop and dwelling.	6		1	Three-story brick.	Loss, $386.80. Recall 7.47 a.m.: setting fire to gasoline in a pan.
Mon.	8..	165	.....	9.55	1634 E. Baltimore street.	John L. Ashun.	Dwelling.	.....		.....	Three-story brick.	Loss, $38.06. Recall 10.01 p.m.; lighted gas jet ignited curtain.
Tues.	9..	562	.....	12.09	N. E. cor. Charles st. and Fort ave.	Wm. Eckhardt.	Saloon and dwelling.	.....		6	Three-story brick.	Loss, $42. Recall 12.22 p.m.; explosion of gasoline stove.
Wed.	10..	154	.....	12.27	1427 Block st.	Martin Wagner.	Solder factory.	.....		3	One-story brick.	Loss, ———. Recall 12.33 p.m.; sparks from furnace.
Wed.	10..	135	.....	12.29	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 12.43 p.m.; pulled for preceding fire.
Fri.	12..	421	2.42	.....	680 Josephine st.	Miss Lillie Farrell.	Dwelling.	.....		2	Three-story brick.	Loss, $226. Recall 2.50 a. m.; lighted gas jet igniting curtain.
Fri.	12..	399	10.15	.....	23 Carroll street, Annex.	Wm. Brooks.	Dwelling.	.....		.....	Two-story frame	Loss, none. Recall 10.33 a.m.; carelessness.
Sat.	13..	6	2.01	.....	N. E. cor. Franklin lane and Guilford alley.	Mt. Vernon Mfg. Company.	Storagehouse.	15		1	Four-story brick.	Loss, $18. Recall 2.25 a.m.; unknown.
Sat.	13..	174	.....	2.39	117 South Chappel street.	Wm. Jacobs.	Fish dealer.	5		3	Two-story brick	Loss, $45. Recall 3.08 p.m.; defective flue.
Sun.	14..	251	11.53	.....	1007 Valley st.	Mary Duffy and others.	Dwelling.	....	....	5	Three-story brick.	Loss, $69. Recall 12.07 p.m.; explosion of a coal-oil stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sun. 14..	15	.....	6.40	328 S. Bond street.	Elizabeth Lacker.	Store and dwelling.	.....	3	Two-story and attic brick.	Loss, 99.08. Recall 6.55 p.m.; curtain ignited by gasoline stove.
Sun. 14..	53	6.55	.....	850 Rhinehart st.	Chas. L. Craig.	Dwelling.	10,15	6	Two-story brick	Loss, $216. Recall 8.02 p.m.; mice gnawing matches.
Mon. 15..	151	.....	4.10	133 S. Spring st.	Harry Presman.	Tenement and tailoring establishment	3	3	Three-story brick.	Loss, $56.80. Recall 4.32 p.m.; tinner's fire-pot.
Mon. 15..	237	.....	11.05	409 N. Washington street.	Joseph Sullivan.	Dwelling.	9	3	Three-story brick.	Loss, $168. Recall 11.32 p.m.; unknown.
Tues. 16..	412	.....	1.10	630 Vine street.	Frank Germanhauser.	Saloon and dwelling.	.....	.....	Three-story brick.	Loss, $25. Recall 1.21 p.m.; unknown
Tues. 16..	354	.....	10.08	Corner Hoffman street and Park avenue.	City of Baltimore.	P. and G. Public School.	7	4	Two-story brick.	Loss, $100. Recall 10.54 p.m.; unknown.
Wed. 17..	183	12.34	.....	2918 and 2920 Hudson street.	H. Winkler & Son, C. Earnest.	Dwelling and Bottling Establishment	5, 11	3	Two-story brick.	Loss, $940.87. Recall 2.35 a.m.; unknown
Wed. 17..	365	8.46	.....	905 Pennsylvania avenue.	Ed. M. Wilmer.	Bank.	.....	.....	Three-story brick.	Loss, $5. Recall 8.57 a.m.; overflow of a coal-oil stove.
Wed. 17..	242	.....	6.19	1088 N. Front st.	Mrs. Martha Betton.	Dwelling.	6	5	Three-story brick.	Loss, $17.50. Recall 6.36 p.m.; by smoking cigar.

Wed.	17..	13	.....	6.22	737 E. Pratt street.	S. Johancen.	Solder manufacturer.	.....	1	Three-story brick.	Loss, none. Recall 6.40 p.m.; burning chimney.
Thur.	18..	562	2.29	.....	105 W. Fort ave.	Geo. L. Schaefer.	Saloon and dwelling.	.....	6	Two-story brick.	Loss, $61.10. Recall 2.49 a.m.; mice gnawing matches.
Thur.	18..	243	.....	9.03	935 E. Madison st.	John O. Jamison	Dwelling.	.....	.....	Three-story brick.	Loss, $15.92. Recall 9.12 p.m.; lighted match in hands of a child.
Thur.	18..	521	.....	12.00	21 E. Camden st.	J. C. Wimmer & Co.	Commission House.	2, 4	1, 2	One-story frame.	Loss, $380.92. Recall 12.47 a.m.; overheated stove.
Fri.	19..	165	.....	12.36	914 Jackson sqre.	Thos. B. Lusby.	Dwelling.	.....	.....	Three-story brick.	Losss, none. Recall 1.12 p.m.; smoke-pipe of a Latrobe stove.
Fri.	19..	128	.....	2.07	629 E. Lombard st.	Louis Ketzner and others.	Tenement house.	3	1	Three-story brick.	Loss, $75.63. Recall 2.22 p. m.; lighted lamp dropped on a can of coal oil.
Fri.	19..	474	.....	7.29	.....	.....	.....	.....	.....	.....	Loss, none. Recall 7.45 p.m.; false alarm.
Sat.	20..	621	.....	10.00	Dock, foot of Cross street.	Captain George Mullen.	Tugboat E. J. Marts.	16 and P. B. Lannan.	.....	Wooden tug.	Loss, $350. Recall 12.06 a.m.; Feb. 21, a lighted coal oil lamp dropped on floor.
Sun.	21..	63	1.45	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.50 a.m; false alarm.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building	Remarks.
Mon. 22..	153	6.55	.....	501 S. Caroline st.	Abraham Ferdler.	Saloon and tenement.	3, 5, 11	3	Two-story and attic brick and frame.	Loss, $446.56. Recall 7.50 a.m.; gasoline stove setting fire to woodwork.
Mon. 22..	291	9.08	.....	202 E. Huntingdon ave. (Annex).	Dr. J. McHenry Howard.	Dwelling.	.....	7	Two-story brick.	Loss, none. Recall 9.44 a.m.; burning chimney.
Mon. 22..	242	.....	8.45	937 Forrest street.	Louis Hinkel.	Dwelling.	.....	5	Three-story brick.	Loss, $27.67. Recall 9.04 p.m.; a small child lighting a match in bed.
Tues. 23..	168	.....	7.00	1923 Aliceanna st.	Stephen Hobinski.	Tenement.	.....	3	Two-story and attic brick.	Loss, $29. Recall 7.25 p.m.; unknown.
Tues. 23..	141	.....	11.07	508 President st.	Felix Cocuzzi.	Barber shop and tenement.	.....	1	Three-story brick.	Loss, $84.32. Recall 11.16 p.m.; unknown.
Wed. 24..	512	.....	6.12	1 Balderston st.	Baltimore Enamel Co.	Warehouse.	2, 15	1	Three-story brick.	Loss, $30. Recall 6.26 p.m.; overheated oven.
Thur. 25..	365	1.11	.....	815 Pennsylvania avenue.	Morris Schwartzburger.	Store and dwelling.	7, 13	4	Three-story brick.	Loss, $1,188.43. Recall 2.13 a.m.; overheated stove.
Fri. 26..	346	.....	5.22	S. E. corner Howard and Madison streets.	Milliard F. Taylor.	Cigar store and dwelling.	7	.....	Two-story and attic brick.	Loss, $140. Recall 5.31 p.m.; explosion of coal-oil stove.

Fri.	26..	229	.....	6.51	203 N. Chapel st.	James A. Weis.	Grocery store and dwelling.	.....	.....	Two-story brick.	Loss, $23.50. Recall 7.04 p.m.; heat from oil stove.
Fri.	26..	357	.....	9.36	N.W. cor. Park av. and Hoffman st.	City of Baltimore.	Male and Female Grammar School.	Chem. 3, 7	4	Two-story brick.	Loss, $25. Recall 10.55 p.m.; incendiary.
Sat.	27..	163	7.07	.....	S. E. corner Baltimore and Washington sts.	East Baltimore M. E. Congregation.	Church.	.....	3	Two-story brick.	Loss, none. Recall 7.24 a.m.; escaping gas taking fire from a lighted match.
Sat.	27..	23	.....	12.06	302 N. Eden st..	Mrs. Catherine Schwine and others.	Dwelling.	3, 6, 9	3	Three-story brick.	Loss, $260.49. Recall 1.29 p.m.; unknown.
Sun.	28..	421	2.14	.....	721 Sarah Ann st.	Unoccupied.	Dwelling.	1	2	Two-story brick.	Loss, $301.49. Recall 3.30 a.m.; unknown.
Sun.	28..	522	8.01	.....	15 and 17 Camden street.	Baltimore Biscuit Co.	Bakery.	1,2,3, 4,5,6 7,10,12,15 16, 17	1, 2, 5, 6	Four-story brick.	Loss, $19,378.44. Recall 2.09 p.m.; unknown.
2d alarm.			8.04								
3d alarm.			8.07								
Sun.	28..	417	9.11	.....	519 Columbia ave.	L. Kuralus.	Dwelling.	15	4	Three-story brick.	Loss, $65. Recall 9.42 a.m.; unknown.
Sun.	28..	132	.....	7.54	222 and 224 Dugan's wharf.	Albert H. Reiter & Co.	Saw mill and wood yard.	.....	1	One-story frame.	Loss, $2. Recall 8.05 p.m.; fire under boiler.
March.											
Mon.	1..	521	8.09	.....	15 and 17 E. Camden street.	Baltimore Biscuit Co.	Bakery.	.....	.....	Four-story brick	Loss, none. Recall 8.38 a.m.; unnecessary alarm.
Tues.	2..	316	11.40	.....	711 Buren st.	Muledy.	Dwelling.	.....	.....	Two-story-and-attic brick.	Loss, none. Recall 11.46 a.m.; back draft.
Tues.	2..	442	.....	9.44	653 W. Lexington street.	John Nearhaiss.	Dwelling.	.....	2	Three-story-and attic brick.	Loss, $168.88. Recall 9.57 p.m.;unknown

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Wed. 3..	482	.....	7.14	1833 Ramsay st.	Laura Coff.	Dwelling.	.....	.....	Two-story brick	Loss, none. Recall 7.33 p.m.; throwing of a coal oil lamp on the floor.
Wed. 3..	345	.....	9.17	16 W. North ave.	Fred'k W. Brune	Dwelling.	18	.....	Two-story-and-mansard brick	Loss, $282. Recall 9.29 p.m.; gas jet igniting lace curtain.
Thurs. 4..	285	1.06	.....	54 Gorsuch ave., Annex.	Unoccupied.	Dwelling.	19 Chem, 4, 5	7	Two-story frame	Loss, $636.28. Recall 3.16 a.m.; incendiary.
Thurs. 4..	156	9.30	.....	733 & 735 S. Broadway.	Morris Wienberg.	Shoe & Clothing store.	11	3	Three-story brick.	Loss, $652.71. Recall 9.55 a.m.; heat from stove.
Thurs. 4..	416	12.00	.....	9 S. Greene st.	Louis Zembler.	Clothing store & dwelling.	.....	2	Two-story frame and brick.	Loss, $20. Recall 12.07 a.m.; overheated stovepipe.
Fri. 5..	428	.....	1.55	947 W. Lexington street.	Unoccupied.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 2.02 p.m.; unknown
Fri. 5..	357	.....	11.46	1020 Park avenue.	Andrew P. Riley.	Dwelling.	.....	.....	Three-story brick.	Loss, $10. Recall 11.52 p.m.; taking fire from range.
Sat. 6..	515	12.04	.....	304 W. Lombard st.	Heineman Bros.	Cigar factory.	2, 15	2	Four-story brick.	Loss, $417. Recall 1.29 a.m.; unknown.
Sun. 7..	639	2.39	.....	1309 Garrett ave.	Louis Schmincke.	Dwelling.	12, 17	6	Two-story brick.	Loss, $356.80. Recall 4.14 a.m.; unknown.

Sun.	7..	243	.....	12.55	912 E. Monument street.	Mrs. Annie Masely.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 1.04 p.m.; back draft.
Sun.	7..	292	.....	8.29	610 Windemere av. (Annex).	Mrs. Jennie B. Mason.	Dwelling.	18 Chem. 3, 4, 5	7	Two-story and attic brick.	Loss, $819.16. Recall 11.25 p.m.; explosion of a coal oil stove.
Sun.	7..	252	.....	9.45	1121 Proctor st.	Max Rohland.	Dwelling.	6	5	Two-story brick.	Loss, $185.83. Recall 10.21 p.m.; unknown.
Mon.	8..	6	.....	5.06	103 Cheapside.	Chas. F. Habighurst.	Warehouse.	.....	.....	Four-story brick.	Loss, $5. Recall 5.13 p.m.; upsetting a coal oil stove.
Mon.	8..	244	.....	7.08	828 McKim street.	James F. Healy.	Saloon and dwelling.	....	5	Two-story brick.	Loss, $27. Recall 7.19 p.m.; coal oil lamp.
Tues.	9..	383	.....	3.05	2103 Division st.	Mrs. H. Johnson col.	Dwelling.	.....	10	Three-story brick.	Loss, $53.53. Recall 3.24 p.m.; unknown.
Tues.	9..	146	.....	5.44	Cor. Fawn and President sts.	The Reliable Furniture Co.	Manufactory.	.....	.....	Four-story brick	Loss, $15. Recall 5.55 p.m.; spontaneous combustion.
Tues.	9..	356	.....	6.34	238 Laurens st.	Mrs. Mary Cox.	Dwelling.	13 Chem. 3	4	Three-story brick.	Loss, $15. Recall 7.52 p.m.; throwing a match among kindling wood.
Thur.	11..	275	.....	8.36	1808 E. Biddle st.	Mary Smeitzel.	Stable.	9, 19	5	Two-story frame	Loss, $70. Recall 9.07 p.m.; unknown.
					1806 E. Biddle st.	Charles Straler.	Stable.	.....	.....	Two-story frame	
					1810 E. Biddle st.	Annie Coates.	Stable.	.....	.....	Two-story frame	
Fri.	12..	423	.....	11.55	719 W. Baltimore street.	J. Fred. Schaefer,	Dwelling.	1, 8, 10, 15	2, 4	Two-and-half-story frame.	Loss, 137.50. Recall 2.53 a.m., Saturday, March 13th; overheated stove.
					719 W. Baltimore street.	Ching Wing & Co.	Laundry.				

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Sat. 13..	365	8.33	.....	1045 Argyle ave.	Clayton Smith.	Dwelling.	13	4	Three-story	Loss, $105. Recall 8.55 a.m.; overheated stove pipe.
Sat. 13..	318	10.38	.....	219 Little Sharp st.	Unoccupied.	Dwelling.	4, 15	2	Two-story brick	Loss, $157.80. Recall 11.10 a.m.; unknown.
Sat. 13..	472	11.13	.....	1410 Bruce st.	Annie Molock.	Dwelling.	13	10	Two-story brick	Loss, $45. Recall 11.39 a.m.; unknown.
Sat. 13...	35	.....	6.36	937 Linden ave.	Fred'k Bonhage.	Tailor shop & dwelling.	.....	.....	Three-story brick.	Loss, $68.82. Recall 6.47 p.m.; wax taper falling from gas bracket.
Sun. 14...	247	2.04	.....	566 N. Gay st.	Jacob Schild.	Saloon and dwelling.	6	5	Three-story brick.	Loss, $34.75. Recall 2.33 a.m.; lighted candle igniting table cover.
Sun. 14...	621	.....	9.26	Covington st.	City of Baltimore	Park.	12	.....	Wooden steps.	Loss, none. Recall 9.33 p.m.; set on fire by boys.
Mon. 15..	426	.....	10.19	1138 W. Baltimore street.	Lowenthal Shoe Company.	Shoe store and dwelling.	8	.....	Two-story-and-attic brick.	Loss, $73.80. Recall 10.27 p.m.; unknown.
Mon. 15..	167	.....	11.07	1707 Eastern ave.	Sommerweick & Weighardt.	Grocery store.	11	3	Four-story brick	Loss, none. Recall 11.34 p.m.; defective oil stove.
Tues. 16..	271	1.38	.....	816 N. Wolfe st.	Max Cuger.	Dwelling.	6, 9	5	Two-story brick	Loss, $110. Recall 2.31 a.m.; unknown.
				818 N. Wolfe st.	Chas. Klauring.	Dwelling.	.....	.....	One-story frame	
				814 N. Wolfe st.	Mrs. Kate Kellar	Shed & fence.	.....	.....	.....	

Tues. 16..	182	.....	7.33	2204 Boston st.	N. W. Webster & Bro.	Ship chandler store.	5, 11	3	Three-story brick.	Loss, $316.12. Recall 9.30 p.m.; unknown
Wed. 17..	534	.....	2.47	1107 S. Paca st.	Stephen Herbert	Saloon and dwelling.	10	6	Two-story brick	Loss, $94. Recall 2.54 p.m.; unknown
Wed. 17..	636	.....	7.38	1132 Hull st.	Clases Gasch.	Dwelling.	.....	.....	Two-story brick	Loss, $90.20. Recall 7.52 p.m.; upsetting a coal oil lamp.
Thur. 18..	247	.....	5.33	593 N. Gay st.	Max W. Goldman.	Shoe store and dwelling.	.....	.....	Two-and-a-half story brick.	Loss, none. Recall 5.37 p.m.; electric wires.
Thur. 18..	514	.....	9.10	202 W. Camden st.	Salvator Piarino	Tenement.	.....	.....	Four-story brick	Loss, ——. Recall 9.17 p.m., overheated stovepipe.
Fri. 19..	571	.....	5.26	Cor. 12th st. and Liberty road, Annex.	Conydon Gowman.	Dwelling.	20	.....	Two-and-a-half story frame.	Loss, $190. Recall 6.03 p.m.; explosion of a coal oil lamp.
Sun. 21..	524	.....	4.39	4 Lee st.	Geo. H. Weaver.	Dwelling.	.....	.....	Three and a-half story brick.	Loss, $10. Recall 4.45 p.m.; unknown
Sun. 21..	637	.....	7.30	....	.....	.....	.....	.....	.....	Loss, none. Recall 7.45 p.m.; false alarm.
Mon. 22..	46	5.49	.....	1532 W. Fayette st.	R. H. Hall.	Grocery store & dwelling.	8, 14	10	Three-story brick.	Loss, $750. Recall 6.33 a.m.; can of coal oil taking fire
Mon. 22..	343	.....	4.17	1435 N. Charles st.	John G. Polstro.	Hotel.	3 Chem.	5	Three-story brick.	Loss, $79.95. Recall 4.49 p.m.; unknown
Mon. 22..	494	.....	8.39	Slingluff lane and N. ave., Annex.	Wm. Young.	Blacksmith shop.	20	.....	One-story frame	Loss, $25. Recall 8.52 p.m.; spark from forge.
Mon. 22..	381	.....	9.12	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.24 p.m.; false alarm.

DATE.	BOX.	HOUR A. M	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Wed. 24..	317	.....	5.34	614 N. Calvert st.	Robert Page.	Stable.	4, 7	4	Two-story brick	Loss, $15. Recall 5.54 p.m.; unknown.
Thur. 25..	428	6.23	.....	120 N. Schroeder street.	George Vasel.	Dwelling.	8	.....	Two-story brick	Loss, none. Recall 6.31 a.m.; foul chimney.
Thur. 25..	572	.....	1.00	Liberty Road and White Oak ave., Annex.	Clarence Gettier	Dwelling.	20 Chem. 1, 2	8	Two-and-a-half-story frame.	Loss, $3,668.50. Recall 9.14 p.m.; defective flue.
Thur. 25..	236	.....	7.02	2204 E. Fayette st.	Larchman Baum	Stable.	11	3	One-story frame	Loss, $26.50. Recall 7.18 p.m.; unknown.
Thur. 25..	234	.....	10.28	1733 Orleans st.	Julia Sacks.	Dwelling.	9	.....	Three-story brick.	Loss, $169.10. Recall 10.44 p.m.; overheated stove.
Sat. 27..	419	1.59	.....	212 N. Eutaw st.	Mrs. Nettie Brandt.	Trunk store and dwelling.	1, 15	2	Four-story brick	Loss, $646.50. Recall 2.26 a.m.; unknown.
Sat. 27..	545	.....	6.50	813 Scott st.	Paul Cornelius.	Dwelling.	10	.....	Three-story brick.	Loss, $66.63. Recall 7.05 p.m.; some person treading on parlor match.
Sat. 27..	457	.....	8.50	1228 Smith st.	Jacob Hareon.	Dwelling.	13	10	Two-story brick	Loss, $20. Recall 9.12 p.m.; unknown
Sat. 27..	382	.....	9.39	1320 Vincent alley	Unoccupied.	Dwelling.	.....	10	Two-story brick	Loss, $10. Recall 10.07 p.m.; unknown.

Sat.	27..	542	.....	9.41	1223 Eutaw st.	Jas. Mathieu.	Dwelling.	2	6	Three-story brick.	Loss, $395.48. Recall 11.09 p.m.; overheated range.
Sun.	28..	463	3.25	.....	1812 Ramsay st.	Chas. Oliver.	Dwelling.	14	10	Two-story brick	Loss, $56. Recall 4.02 a.m.; explosion of a coal oil lamp.
Sun.	28..	73	.....	4.36	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.49 p.m.; false alarm.
Tues.	30..	423	4.19	.....	636 Raborg st.	Ruth Ford.	Dwelling.	1	2	Three-story brick.	Loss, $641.50. Recall 5.02 a.m.;unknown
Tues.	30..	395	.....	8.33	306 Falls road, Annex.	Frank J. King.	Barber shop & dwelling.	.....	.....	Two-story frame	Loss, none. Recall 8.41 a.m.; hanging lamp.
Wed.	31..	571	6.20	.....	Liberty road and Chesapeake av., Annex.	Wm. Baker.	Stable.	20 Chem. 1, 2	8	Two-story frame	Loss, $1,200. Recall 9.34 a.m.,unknown
Wed.	31..	157	.....	1.00	726 S. Bond st.	Henry Kueheu.	Shed.	.....	3	One-story frame.	Loss, none. Recall 1.06 p.m.; set fire by children.
Wed.	31..	525	.....	3.58	126 W. Pratt st.	Stephen Schrode	Dyeing establishment.	2, 15	2	Three-story brick.	Loss, $141.70. Recall 4.23 p.m.; defective flue.
Wed.	31..	143	.....	6.33	1123 E. Pratt st.	Mrs. Annie Garozick.	Tenement.	3	3	Two-story-and-attic brick.	Loss, $60. Recall 6.45 p.m.; unknown.
Wed.	31..	427	.....	6.53	609 W. Lexington street.	Miss Sadie Greenfield.	Stationery store.	1	2	Three-story brick.	Loss, $325. Recall 7.06 p.m.; overheated oil stove.
Wed.	31..	38	.....	9.25	1306 Presstman st.	Unoccupied.	Dwelling.	13 Chem. 2	10	Two-story-and-attic frame.	Loss, $63.85. Recall 10.48 p.m.: Incendiary.
April.											
Thurs.	1..	213	2.19	....	148 N. High st.	Ausher Sfard.	Synagogue.	3, 4, 5, 6, 19	1 & 5	Two-story brick	Loss, $1,154.50. Recall 3.59 a.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Thurs. 1..	357	5.11	.....	126 W. Biddle st.	John Monahan.	Saloon and dwelling.	7, 18 Chem. 3	4 3	Three-story brick.	Loss, $292.12. Recall 6.06 a.m.; unknown.
Thurs. 1..	154	.....	9.21	Foot of Miller's Wharf.	.....	Tugboat May Russell.	.....	3	.....	Loss, $250. Recall 9.36 p.m.; unknown.
Fri. 2..	531	10.39	.....	S. W. cor. of Penn and Hare sts.	Henry Rosser & Sons.	Furniture factory.	10	2	Three-story brick.	Loss, $35. Recall 10.56 a.m.; sparks from boiler.
Fri. 2..	284	11.54	.....	514 Jefferson st., Annex.	Wm. Boykin.	Dwelling.	18 Chem. 3, 4, 5	7	Two-story frame	Loss, $242.31. Recall 1.24 p.m.; defective flue.
Fri. 2..	427	.....	7.50	603 W. Lexington street.	John Digner.	Paint store.	.....	2	Three-story brick.	Loss, $11.50. Recall 8.01 p.m.; explosion of oil torch.
Fri. 2..	381	.....	9.46	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.54 p.m.; false alarm.
Sat. 3..	418	.....	6.28	230 W. Lexington street.	Mrs. A. Elsassers.	Millinery store.	.....	2	Three-story brick.	Loss, $5. Recall 6.36 p.m.; unknown.
Sat. 3..	216	.....	11.09	401 Short st.	Alex. Jefferson.	Dwelling.	.....	.....	Two-story brick	Loss, $15. Recall 11.21 p.m.; unknown.
Sun. 4..	455	6.32	.....	432 N. Arlington avenue.	John T. Fahey.	Dwelling.	8, 13, 14	10	Three-story brick.	Loss, $679.90. Recall 8.01 a.m.; unknown.

Sun.	4..	534	.....	12.06	911 Ridgely st.	Henry Gaim.	Dwelling.	10	.....	Three-story brick.	Loss, $5. Recall 12.14 p.m.; explosion of a gasoline stove.
Sun.	4..	241	.....	9.38	812 Addison st.	Wm. B. Bishop.	Stable.	6	5	One-story brick.	Loss, $38.27. Recall 9.51 p.m.; unknown.
Tues.	6..	38	9.00	.....	1923 Pennsylvania avenue.	E. J. Burke.	Dwelling.	.....	10	Two-story brick	Loss, $34. Recall 9.15 a.m.; explosion of a gasoline stove.
Tues.	6..	232	.....	4.45	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.50 p.m.; false alarm.
Tues.	6..	232	.....	4.54	.....	.....	.....	.....	.....	.....	Loss, none. Recall 5.04 p.m.; false alarm.
Tues.	6..	184	.....	8.06	3002 O'Donnell st. 3004 O'Donnell st. 3006 O'Donnell st. 1015 Potomac st.	Wm. Schulte. Unoccupied. Unoccupied. Wm. Cumberland.	Liquor store. Dwelling. Dwelling. Dwelling.	5, 6, 9, 11	3	Two-story brick Two-story brick Two-story brick Two-story brick	Loss, $743.83. Recall 10.40 p.m.; explosion of a tank of gasoline.
Tues.	6..	183	.....	8.07	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.34 p.m.; pulled for preceding fire.
Wed.	7..	143	5.29	.....	226 Hog alley.	Mrs. Mary Le-Comp.	Dwelling.	.....	3	Two-story brick	Loss, $10. Recall 5.48 a.m.; supposed incendiary.
Wed.	7..	15	10.03	.....	408 S. Bond st.	Barny Gluskin.	Dwelling.	.....	3	Three-story brick.	Loss, $93.80. Recall 10.11 a.m.; explosion of gasoline stove.
Wed.	7..	23	.....	4.38	1215 Mullikin st.	Geo. Commance.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 5.50 p.m., unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Fri. 9..	31	9.25	.....	304 and 306 Pleasant street.	Wm. P. Harvey & Co.	Smoke-house.	4	1	Two-story brick	Loss, $380.67. Recall 9.52 a.m.; fire from smoking meat.
Sat. 10..	214	1.39	.....	17 N. Exeter st.	Louis Levin and others.	Dwelling.	3	1	Three-story brick.	Loss, none. Recall 1.54 A. M.; cat upset a lighted candle.
Sat. 10..	162	6.02	.....	1813 Thames st.	Christian Kein.	Dwelling.	5, 11	3	Two-story-and-attic brick.	Loss, $10. Recall 6.55 A. M.; burning chimney.
Sat. 10..	123	7.00	.....	202 Spear's wharf.	Sparrow's Point Paint Co.	Warehouse.	.....	1	Five-story brick.	Loss, $26.50. Recall 7.34 A. M.; unknown.
Sat. 10..	163	....	6.39	1938 E. Lombard street.	John Zebroham.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 6.51 P. M.; smoke from tar.
Sat. 10..	162	.....	6.44	1720 Thames st.	Mrs. Lena Clarke.	Grocery store and dwelling.	.....	16	Three-story brick.	Loss, $18.85. Recall 6.52 P. M.; explosion of a gasoline stove.
Sat. 10..	214	.....	7.00	1012 E. Baltimore street.	H. Reumes.	Saloon and dwelling.	.....	2	Three-story brick.	Loss, $5. Recall 7.05 P. M.; explosion of a gas governor.
Sat. 10..	368	.....	10.58	312 Myrtle ave.	Unoccupied.	Dwelling.	8	4	Three-story brick.	Loss, $34.50. Recall 11.08 P. M., unknown.

Mon.	12..	35	6.27	312 Richmond st.	Charles B. Schimenent.	Paint store and dwelling.	7	4	Three-story brick.	Loss, $85. Recall 7.01 P. M.; spontaneous combustion.
Mon.	12..	472	8.33	1401 N. Fulton ave.	C. W. Klingler .	Dwelling.	.....	.....	Three-story brick.	Loss, none Recall 8.45 p.m.; sparks from lighted paper.
Mon.	12..	156	11.44	709 S. Broadway.	M. Schuch & Co.	Dwelling.	5, 11	3	Three-story brick.	Loss, $314.68. Recall 12.49 a.m.; cause unknown.
				1703 Aliceanna st.	Otto Grovert.	Outhouse and fencing	.....	.....	One-story frame	
				707 S. Broadway.	A. Herman .	Shed and fencing	.....	.....	One-story frame	
Tues.	13..	412	2.31	103 W. Baltimore st	M. Brunbaum and others.	Cigar factory.	1, 2, 15	1, 2	Five-story brick.	Loss, $967.95, Recall 3.26 a.m.; overheated stove.
Tues.	13..	438	2.00	835 Boyd st.	John McGrath	Dwelling.	.....	.....	Two-and-a-half-story brick.	Loss, none. Recall 2.07 p,m.; grease taking fire on stove.
Tues.	13..	889	4.39	.....	.....	.....	.....	.....	.....	Loss, none. Recall 4.50 p.m.; false alarm.
Automatic										
Tues.	13..	371	10.58	1020 Vincent al.	Lucy Cook (col.)	Dwelling.	.....	10	Two-story brick.	Loss, $44.60. Recall 11.12 p.m.; explosion of a coal oil lamp.
Thur.	15..	221	10.28	320 N. Holliday st.	Foster Bros.	Mattress factory	4, 6	1	Two-story brick.	Loss, $88.05. Recall 11.05 a.m.; overheated furnace.
Thur.	15..	526	9.43	213 and 215 West Camden street.	Furst Bro. & Co.	Picture frame factory.	2	2	Five-story brick	Loss, none. Recall 9.56 p.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Thur. 15..	23	.....	9.59	222 N. Central av.	Miss Nina White	Dwelling.	.....	3	Two-story and attic brick.	Loss, $87.64. Recall 10.11 p.m.; explosion of a coal oil lamp.
Thur. 15..	354	.....	10.27	105 W. Lanvale st.	H. L. Tyler.	Dwelling.	18	.....	Three-story brick.	Loss, none. Recall 10.39 p.m.; lighted match thrown under lounge.
Fri. 16..	368	11.21	.....	825 Pierce st.	David Jones.	Dwelling.	8	.....	Three-story brick.	Loss, $15. Recall 11.34 a.m.; unknown.
Fri. 16..	154	.....	8.12	Adjoining drawbridge.	.....	Boathouse.	.....	.....	One-story frame	Loss, none. Recall 8.24 p.m.; sparks from stove pipe.
Fri. 16..	498	.....	8.42	Quaker Hill, near Franklin road.	James A. Gary.	Farm.	.....	.....	.....	Loss, none. Recall 9.45 p.m.; purposely set on fire.
Fri. 16..	413	.....	10.06	25 W. Lexington st	Levi Goldenberg & Bro.	Dry goods store.	1, 15	2	Four-story brick.	Loss, $586.90. Recall 10.55 p.m.; unknown.
Sat. 17..	236	.....	7.11	9 N. Collington av.	August Overbeck.	Dwelling.	.....	.....	Two-story brick	Loss, $64.25. Recall 7.24 p.m.; lace curtain ignited by lighting gas jet.
Sun. 18..	418	.....	1.33	311 and 313 West Lexington st.	Bernheimer Bros.	Department store.	1, 15	1, 2	Three-story brick.	Loss, $363.77. Recall 2.12 p.m.; unknown.

Sun.	18..	238	.....	7.29	930 North Gay st.	Mrs. LilliePierce	Shoe store and dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 7.39 p.m.; explosion of a coal oil lamp.
Sun.	18..	47	.....	8.23	1705 W. Lexington street.	Mrs. K. A. Sappe	Dwelling.	14	.....	Three-story brick.	Loss, $50. Recall 8.34 p.m.; unknown.
Mon.	19..	384	4.33	.....	2400 Druid Hill av.	S. Whitely Woolford.	Store and dwelling.	Chem. 2	10	Three-story brick.	Loss, $183. Recall 5.08 a. m.; unknown.
Tues.	20..	623	1.37	.....	729 S. Charles st.	Edward Thomas	Saloon and dwelling.	2	6	Three-story brick.	Loss, $996.40. Recall 2.45 a. m.; unknown.
Tues.	20..	472	7.17	.....	1315 Monroe street 1317 Monroe street	Charles Raima. Ben. Gray.	Dwelling. Dwelling.	8, 1, 3, 14 Chem. 2	10	Two-story brick Two-story brick	Loss, $——. Recall 7.54 a.m.; defective flue.
Tues.	20..	531	9.25	.....	306 S. Fremont st.	Wm. E. Cadell.	Dwelling.	.....	2	Two-story and attic brick.	Loss, $48.95. Recall 9.38 a.m.; explosion of a gasoline stove.
Tues.	20..	155	.....	3.38	1312 Gough street.	H. Tralirsky.	Blacksmith shop.		3	Two-story brick	Loss, $30. Recall 4.00 p. m.; heat from smoke pipe.
Wed.	21..	427	8.37	.....	617 W. Lexington street.	Menkert Bros.	Tea store.	1	2	Three-story brick.	Loss, ——. Recall 8.56 a.m.; heat from smokpipe.
Wed.	21..	366	8.38	.....	1708 McCulloh st.	Mrs. Bullette Fechenbach.	Dwelling.	13, 18	10	Three-story brick.	Loss, $3,349.31. Recall 10.48 a.m.; unknown.
Wed.	21..	381	10.33	.....	1621 Baker st.	William Wiston.	Dwelling.	Chem. 2	.....	Two-story brick.	Loss, $15. Recall 10.42 a.m.; unknown.
Wed.	21..	462	11.11	.....	1906 W. Lombard street,	Mrs. S. Street.	Dwelling.	14	.....	Three-story brick.	Loss, $10. Recall 11.19 a.m.; explosion of a coal oil stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Wed. 21..	328	11.51	.....	1420 Division st.	John Sindall.	Dwelling.	7, 13, 8	4	Three-story brick.	Loss, $234.40. Recall 12.30 p.m.; child setting fire to coal oil.
Thur. 22..	145	.....	6.13	17 S. Central ave.	Samuel Camper.	Store and dwelling.	.....	3	Three-story brick.	Loss, $20. Recall 6.27 p.m.; unknown.
Thur. 22..	161	.....	7.00	1719 Central ave.	Thomas Tomky.	Confec'y store and dwelling.	5	3	Two-story and attic brick.	Loss, $154.85. Recall 7.24 p.m.; explosion of a coal oil lamp.
Thur. 22..	217	.....	7.33	521 Colvin st.	Mrs. Eliza Logan	Dwelling.	6	5	Three-story brick.	Loss, $110. Recall 7.48 p.m.; unknown.
Fri. 23..	636	1.10	.....	1127 Cooksie st.	Mrs. Wilhelmina Lang.	Saloon and dwelling.	17	6	Three-story brick.	Loss, 274.50. Recall 2.10 A. M.; unknown.
Fri. 23..	157	.....	6.08	718 S. Bethel st.	Albrit Woreibhauski.	Dwelling.	.....	.....	Two-story brick.	Loss, $5. Recall 6.16 P. M.; unknown.
Sun. 25..	347	.....	9.43	1001 St. Paul st.	Harry A. Parr.	Dwelling.	.....	4	Three-story brick.	Loss $82.50. Recall 9.54 P. M.; lace ignited by lighted gas jet.
Sun. 25..	485	.....	9.57	Frederick avenue, Carroll (Annex).	B. & P. R. R. Co.	Bridge.	.....	8	Wooden.	Loss, none. Recall 10.28 P. M.; sparks from locomotive.

Sun. 25..	347	.....	10.00	1014 N. Calvert st.	Fred'k K. Carey	Dwelling.	.....		Three-story brick.	Loss, none. Recall 10.11 P. M.; lace curtain ignited by lighted gas jet.
Mon. 26..	47	.....	10.12	.....	.....	.....	.....		.....	Loss, none. Recall 10.19 P. M.; false alarm.
Mon. 26..	165	.....	10.31	1444 E. Baltimore street.	Robert Coteen.	Dwelling and store.	.....		Two-story-and-attic brick.	Loss, $53.33. Recall 10.49 P. M.; careless handling of lighted candle.
Tues. 27..	158	12.45	.....	1616 Shakespeare street.	Jos. Piskos, &c.	Saloon and tenement.	3, 5, 11	3	Three-story brick.	Loss, $328.91. Recall 1.30 A. M.; spontaneous combustion.
Tues. 27..	419	6.55	.....	323 N. Eutaw st.	Joseph Walters.	Store and dwelling.	1, 7	2	Three-story brick.	Loss, $146.20. Recall 8.00 a.m.; overheated stovepipe.
Tues. 27..	266	.....	3.26	620 McEldery st;	Daniel Bright.	Bakery and dwelling.	9	5	Three-story brick.	Loss, $30.95. Recall 3.46 p.m.; overheated oven.
Tues. 27..	472	.....	8.46	1310 Bruce st.	Sophia Johnson.	Dwelling.	.....	10	Two-story brick.	Loss, $10. Recall 8.57 p.m.; child throwing a lighted match in clothing.
Wed. 28..	639	3.03	.....	1318 Garrett ave. 1320 Garrett ave. 1322 Garrett ave. 1324 Garrett ave.	Vincent Wriman Robert Koret. Michael Aneltz. Jas. Packmayer.	Dwelling. Dwelling. Dwelling. Dwelling.	12	6	Two-story brick. Two-story brick. Two-story brick. Two-story brick.	Loss, $220. Recall 4.05 a.m.; cause unknown.
Wed. 28..	484	4.31	.....	555 Frederick ave., Annex.	Chas. T. Westcott.	Dwelling.	14 Chem. 1	8	Two-story frame	Loss, $100. Recall 5.48 a.m.; defective flue.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Wed. 28..	159	.....	11.10	710 S. Broadway.	Thos. Selenszki.	Store and dwelling.	.....	3	Three-story brick.	Loss, $67.50. Recall 11.35 p.m.; explosion of a coal oil lamp.
Thur. 29..	254	12.49	.....	444 E. North ave.	James A. Fox.	Drug store and dwelling.	19 Chem. 3	5	Three-story brick.	Loss, $——. Recall 1.12 a.m.; unknown.
Thur. 29..	387	3.10	.....	2846 Pennsylvania avenue, Annex.	Mrs. Hannah Meyers.	Dwelling.	8, 13, 18	4, 10	Three-story brick.	Loss, $720.72. Recall 6.05 a.m.; unknown.
2d alarm.	387	3.20		2852 Pennsylvania avenue, Annex.	Wm. Messersmith & Son.	Slaughter and ice house.	20 Chem. 2, 3		Two-story frame Two-story frame and brick.	
				2858 Pennsylvania avenue, Annex.	Alexander Megary.	Slaughter and ice house.				
Thur. 29..	49	.....	7.40	2106 W. Fayette st.	Wm. Adkinson.	Dwelling.	14	.....	Two-story brick.	Loss, $60- Recall 8.06 p.m.; unknown.
Thur. 29..	3	.....	9.11	214 N. Calvert st.	Mrs. Dongler Quenizel.	Lodging-house.	4, 6	1	Three-story brick.	Loss, $349.99. Recall 9.54 p.m.; some one treading on parlor match.
Thur. 29..	297	.....	9.19	222 E. 22½ street.	Wm. Ste wart.	Store.	18	.....	One-story frame.	Loss, none. Recall 9.34 p.m.; unknown.
Thur. 29..	145	.....	10.26	1418 Fairmount av	Henry Bien.	Grocery store and tenement.	3	3	Three-story brick.	Loss, $253. Recall 11.17 p.m.; unknown.

Fri.	30..	435	3.35	.....	S. E. Cor. McHenry and Scott sts.	Hayward, Bartlett & Co.	Shed.	10, 15	2	One-story frame.	Loss, none. Recall 4.15 a.m.; unknown.
Fri.	30..	56	6.40	.....	110 W. Hamburg street.	Geo. Wittman.	Kitchen.	....	6	One-story frame.	Loss, $19.50. Recall 6.44 a.m.; explosion of a gasoline stove.
Fri.	30..	488	.....	7.38	28 to 40 Wilkens st. Annex.	Henry Eigenbrot & Co.	Stable.	14	8, 10	Two-story brick.	Loss, $2. Recall 8.00 p.m.; unknown.
May.								Chem. 1			
Sat.	1..	359	12.44	.....	1027 N. Eutaw st.	Mrs. Andrew Pugh.	Slaughter house.	.....	4	Two-story brick	Loss, $2. Recall 1.04 a.m.; heat from furnace.
Sat.	1..	521	.....	10.55	14 West Pratt st.	Charles Mering.	Commission house.	2, 15	1, 2	Three-and-half-story brick.	Loss, none. Recall 11.27 p. m.; unknown.
Sun.	2..	4	12.24	.....	22 S. Calvert st.	Dupont Co.	Warehouse.	4	1	Five-story brick	Loss, $1.50. Recall 2.36 a. m.; electric wire.
Sun.	2..	456	2.32	.....	239 to 247 N. Carlton street.	Wm. Zahrendt.	Coal shed.	8, 14	10	One-story frame.	Loss, $659.05. Recall 3.22 a.m.; unknown.
Mon.	3..	159	11.27	.....	716 S. Broadway.	Carl Stuginski.	Sweat shop and tenement.	....	3	Three-story and attic brick.	Loss, $224.50. Recall 12.23 p.m.; explosion of gasoline.
Mon.	3..	355	.....	9.27	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.35 p. m.; false alarm.
Tues.	4..	17	.....	11.00	3200 Essex street.	Wm. Kropp.	Grocery store and dwelling.	11	3	Two-story and attic brick.	Loss, $135. Recall 11.28 p.m.; heat from coal oil lamp.
Wed.	5..	176	2.54	.....	2319 McEldery st.	Wm. Klingenstine.	Dwelling.	9, 11	3	Two-story brick	Loss, $67.50. Recall 3.29 a. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING	REMARKS.
Wed. 5..	562	.....	2.30	1612 Clarkson st.	Mrs. Louis Denhardt.	Dwelling.	....	.....	Two-story brick.	Loss, 31.50. Recall 3.29 p.m.; explosion of a gasoline stove.
Wed. 5..	525	.....	5.02	14 W. Pratt st.	Chas Merning.	Commission house.	2, 4, 15	2	Three-and-half-story brick.	Loss, $271.70. Recall 6.16 p.m.; spontaneous combustion.
Wed. 5..	562	.....	11.31	19 E. Fort ave.	Mrs. Elizabeth Ryan.	Grocery store and dwelling.	.....	6	Three-story brick.	Loss, $50.32. Recall 11.35 p.m.; mice gnawing matches.
Thur. 6..	191	6.29	.....	2834 O'Donnell st.	Peter Donnelly.	Dwelling.	.....	.....	Two-story brick.	Loss, $8. Recall 6.41 a.m.; heat from range.
Fri. 7..	27	8.28	.....	931 N. Broadway .	Hern Bein.	Basket factory.	9	5	Three-story brick.	Loss, none. Recall 8.47 a.m.; unknown.
Fri. 7..	624	.....	1.06	1043 Sharp st.	Charles Driver.	Dwelling.	....	.....	Three-story brick.	Loss, none. Recall 1.11 p.m.; overheated stove.
Fri. 7..	473	.....	4.33	405 Vincent al.	Sarah Hall.	Dwelling.	.....	10	Two-story brick.	Loss, $16. Recall 4.54 p.m.; defective flue.
Fri. 7..	541	.....	4.36	319 W. Henrietta street.	J.C.Textor&Bro	Shed.	2, 10, 12, 15	6	One-story frame.	Loss, $742.34. Recall 6.45 p.m.; spark from locomotive.

Sat.	8..	441	.....	12.23	501 Albemarle st.	Dominic Milano.	Shoe store and dwelling.	.....	.....	Three-story brick.	Loss, $5. Recall 12.37 p.m.; children playing with matches.
Sat.	8..	386	.....	7.43	244 Linden ave., Annex.	L. O'dendhal.	Dwelling.	.....	4	Three-story brick.	Loss, ——. Recall 7.56 p.m.; children playing with matchs.
Sun.	9..	373	12.53	.....	Fremont and Patterson aves.	H. Pfifferding.	Peanut stand.	.....	.....	Frame.	Loss, none. Recall 12.56 a.m.; heat from roaster.
Sun.	9..	214	.....	8.53	122 Chestnut st.	John L. Thomas.	Picture-frame factory.	3	1	Two-story-and-attic brick.	Loss, $25. Recall 9.03 p.m.; unkown.
Tues.	11..	238	.....	4.01	908 Dallas st.	Charles Itzel.	Dwelling.	9	.....	Two-story brick.	Loss, $13.50. Recall 4.11 p.m.; children playing with matches.
Tues.	11..	175	.....	5.58	2222 Gough st:	Samuel W. Morrow.	Dwelling.	.....	.....	Three-story brick.	Loss, $30. Recall 6.04 p.m.: gas jet ignited lace curtain.
Tues.	11..	373	.....	9.09	1107 Winchester st	Frank J. Fengel.	Dwelling.	.....	.....	Two-story brick.	Loss,——. Recall 9.15 p.m.; gas jet ignited lace curtain.
Tues.	11..	332	.....	9.52	402 W. Biddle st.	Dr. Marcus Cargill.	Dwelling.	.....	4	Three-story brick.	Loss, $20.75. Recall 10.10 p.m.; gas jet ignited lace curtain
Wed.	12..	187	.....	9.17	2601 Fait avenue.	Fred. Eiermann.	Grocery store and dwelling.	.....	.....	Two-story brick	Loss, $53.55. Recall 9.29 p.m.; gas jet ignited lace curtain.

Date.	Box	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Wed. 12..	545	.....	9.38	1030 Cross street.	Benjamin Wich.	Saloon and dwelling.	10	.....	Three-story brick.	Loss, $22.85. Recall 9.50 p.m.; gas jet ignited lace curtain.
Wed. 12..	143	.....	11.45	207 S. Central av.	Harris Sklar.	Grocery store and dwelling.	3	3	Three-story brick.	Loss, $12. Recall 11.52 p.m.; spontaneous combustion.
Sat. 15..	26	.....	1.25	728 North Gay st.	Henry Weishert.	Trunk factory and dwelling.	6, 9	5, 9	Three-story brick.	Loss, $105. Recall 1.53 p.m.; unknown.
Sat. 15..	238	.....	2.20	902 N. Central av.	Jennie Boyd.	Dwelling.	.....	.....	Two-story and attic dwelling	Loss, none. Recall 2.29 p.m.; overflow of coal oil tank.
Sat. 15..	51	.....	4.53	103 Light street.	W. H. Rothrock	Warehouse.	4	4	Three-story brick.	Loss, $6.44. Recall 5.05 p.m.; lighted match thrown among oakum.
Sun. 16..	159	.....	9.08	1622 Canton av.	Michael Droste..	Store and tenement.	.....	.....	Three-story brick.	Loss, $16. Recall 9.27 p.m.; burning chimney.
Mon. 17..	65	4.36	.....	N. E. cor. Barre and Hanover sts.	O. H. Reeside.	Grocery store and dwelling.	12	6	Three-story brick.	Loss, $72.75. Recall 5.17 a.m.; mice gnawing matches.
Tues. 18..	269	8.47	.....	Ashland ave. and Bradford st.	Wm. H. Kline & Bro.	Boiler house.	Chem. 6	3	One-story frame	Loss, $50. Recall 9.23 a.m.; heat from stack.

Tues. 18..	168	1.35	.....	527 S. Washington street.	John Laimpert.	Dwelling.	.....	3	Two-story-and-attic brick.	Loss, $19.65. Recall 11.48 a.m.; sparks from chimney.
Tues. 18..	35	.....	4.20	320 W. Biddle st.	Otto Eck.	Saloon and dwelling.	7	4	Three-story brick.	Loss, $588. Recall 4.55 p.m.; lighted candle set fire to a bucket of whiskey.
Tues. 18..	426	.....	9.45	1058 to 1062 Raborg st.	Unoccupied.	Stable.	8, 14	2	Two-story brick	Loss, ———. Recall 10.15 p.m.; unknown.
Tues. 18..	157	.....	9.57	1621 Lancaster st.	Julian Markouski.	Tenement.	.....	3	Three-story brick.	Loss, $56. Recall 10.21 p.m.; explosion of a coal oil lamp.
Wed. 19..	171	2.19	.....	402 Chester st.	Daniel Ahearn.	Stable and hay packing	3, 5, 6	1, 3	Three-story brick.	Loss, ———. Recall 5.12 a.m.; unknown.
2d alarm.	171	2.28	.....	2047 Bank st.	Eli A. Beatty.	Dwelling.	9, 11	.....	Three-story brick.	
				2049 Bank st.	Wm. R. Beatty.	Sheds.	.....	.....	One-story frame	
Wed. 19..	163	.....	5.44	1900 Fairmount avenue.	James Radford.	Grocery store and dwelling.	.....	3	Three-story brick.	Loss, $70.50. Recall 5.52 p.m.; upsetting gasoline stove
Thur. 20..	242	6.36	.....	813 Greenmount avenue.	Jas. McDermott.	Dwelling.	6	5	Three-story brick.	Loss, $10. Recall 7.06 a.m.; unknown.
Fri. 21..	217	6.03	.....	830 N. Front st.	Petro Stratro & others.	Tenement.	6	1	Three-story brick.	Loss, $12. Recall 6.23 a.m.; sparks from chimney.
Fri. 21..	13	.....	9.17	125 E. Pratt st.	H. Miller.	Overall factory.	3, 4	1, 3	Four-story brick	Loss, $469.11. Recall 9.44 p.m.; unknown.
Sat. 22..	293	.....	10.40	Old York road and Pen Lucy ave., Annex.	Jacob G. Hartman.	Dwelling.	18 Chem. 3, 4, 5	7	Two-story frame	Loss, $3,295. Recall 2.53 a.m. Sunday, May 23.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sun. 23..	173	12.12	.....	2419 Foster ave.	Stephen Graft.	Saloon and dwelling.	11	.....	Three-story brick.	Loss, $23.67. Recall 12.16 a.m.; heat from lamp.
Sun. 23..	534	.....	5.50	907 Burgundy al.	John Miller.	Dwelling.	10	6	Two-story-and-attic brick.	Loss, $15.50. Recall 6.09 p.m.; children playing with matches.
Mon. 24..	247	.....	6.14	1251 Edward st.	Miss Ella Pastro.	Dwelling.	6	.....	Two-story brick	Loss, $30.50. Recall 6.26 p.m.; leaking gasoline tank.
Mon. 24..	62	.....	7.10	45 and 47 Weyler street.	E. Snellenberg & Son.	Dry goods store and dwelling.	.....	.....	Four-story brick	Loss, none. Recall 7.19 p.m.; electric converter.
Wed. 26..	153	3.15	.....	519 S. Caroline st.	Simon Mink.	Dwelling.	3, 5, 11	3	Three-story brick.	Loss, $140.37. Recall 3.55 a.m.; smoking a cigarette on couch.
Thur. 27..	427	8.07	.....	606 Louisiana ave.	Charles Martin.	Harness factory and dwelling.	1, 7, 15	2	Three-and-half-story brick.	Loss, $5. Recall 8.49 a.m.; children playing with matches.
Thur. 27..	293	.....	12.36	York road, N. of Chestnut Hill ave., Annex.	Annie M. Engel.	Store.	Chem. 3, 4	7	One-story stone.	Loss, $75. Recall 1.54 p.m.; defective flue.
Thur. 27..	142	.....	5.28	311 S. Exeter st.	Caroline Hooper	Dwelling.	.....	3	Two-story-and-attic brick.	Loss, $54.77. Recall 6.02 p.m.; lighted match igniting clothing.

Thur.	27..	232	.....	6.19	203 N. Bond st.	Edward Curran.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 6.26 p.m.; overflow of gasoline tank.
Fri.	28..	142	.....	8.23	935 Eastern ave.	George Dulewery.	Saloon and dwelling.	3	.....	Three-story brick.	Loss, $35. Recall 8.44 p.m.; lady falling with oil lamp.
Sat.	29..	176	8.08	.....	243 Patterson Park avenue.	Petro Jansen.	Stable.	5, 9, 11	3	Two-story frame	Loss, $319.05. Recall 9.29 a.m.; unknown.
					241 Patterson Park avenue.	Charles Milski.	Stable.	.....	.....	Two-story frame	
Sat.	29..	373	.....	8.43	1204 Patterson Park ave.	John H. Murphy	Printing office	.....	.....	Two-story brick.	Loss, $13.50. Recall 8.52 p.m.; explosion of a coal oil lamp.
Mon.	31..	163	.....	1.23	1810 E. Baltimore street.	Dr. John Colenberger.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 1.34 p.m.; unknown
June.											
Tues.	1..	242	7.42	.....	718 Forrest st.	Wm. Teats.	Shed.	.....	5	One-story frame	Loss, $10. Recall 7.55 a.m.; overheated boiler.
Tues.	1..	287	.....	6.07	Brady ave. and Reese st., Annex.	John Bell.	Dwelling.	4 Chem.	.....	Two-story brick	Loss, $14.50. Recall 6.20 p.m.; overheated stove.
Tues.	1..	56	.....	8.20	1000 Hanover st.,	James Felses.	Dwelling.	.....	.....	Three-story brick.	Loss, $8. Recall 8.27 p.m.; heat from oil stove.
Wed.	2..	24	1.01	.....	413 N. Exeter st.	Henry Stevenson.	Dwelling.	3, 6	5	Two-story brick	Loss, $143. Recall 1.59 p.m.; unknown.
					415 N. Exeter st.	Fred'k Harris.	Dwelling.			Two-story brick	
Wed.	2..	514	5.32	.....	405 W. Pratt st.	Wm. Liponites.	Dwelling and saloon.	15	2	Three-story-and a-half brick.	Loss, $185. Recall 5.54 a.m.; oil from stove igniting.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Wed. 2..	524	.....	5.02	11 Houses court.	Sarah Norris.	Dwelling.	2	6	Two-story-and-attic brick.	Loss, $10. Recall 5.22 p.m.; sparks from chimney.
Wed. 2..	283	.....	8.59	102 Harford road, Annex.	Andrew Krause.	Grocery store & dwelling.	.....	.....	Two-story brick	Loss, $10. Recall 9.14 p.m.; explosion of a coal oil lamp.
Wed. 2..	297	.....	10.40	Annex.	.....	.....	.....	.....	.....	Loss, none. Recall 10.46 p.m.; false alarm.
Thur. 3..	143	3.06	.....	1118 Stiles st.	Moses Goldsmith and others.	Tenement.	3	3	Two-story-and-attic brick.	Loss, $75. Recall 3.23 a.m.; gasoline stove exploded.
Thur. 3..	292	.....	5.21	716 Gorsuch ave., Annex.	James M. Shipley.	Dwelling.	.....	.....	Two-story frame	Loss, none. Recall 5.31 p.m.; back draft.
Thur. 3..	157	.....	5.59	712 S. Bond st.	Chas. Kotolish and others.	Sweat shop and tenement.	.....	3	Two-story brick	Loss, $39.26. Recall 6.07 p.m.; carelessness.
Thur. 3..	214	.. ...	9.20	1008 E. Fayette st.	Davis Coplan.	Grocery store and dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 9.26 p.m.; unknown.
Fri. 4..	35	1.18	.....	306 W. Biddle st.	John Hecker.	Bakery and dwelling.	7	4	Three-story brick.	Loss, $33.75. Recall 1.35 a.m.; overheated oven.
Fri. 4...	238	.....	8.35	1501 E. Madison st.	Robert S. Bamberger.	Store and dwelling.	6	.....	Two-story-and-attic brick.	Loss, none. Recall 9.06 p.m., electric wire.

Sat.	5..	61	11.56	.....	120 E. Hill st.	Jacob Engelback.	Dwelling.	.....	6	Two-story-and-attic brick.	Loss, $75. Recall 12.04 p.m.: explosion of a gasoline stove.
Sun.	6..	261	12.28	.....	1102 Aisquith st.	Consumers' Meat Co.	Store and dwelling.	.....	5	Three-story brick.	Loss, none. Recall 12.55 a.m.: unknown.
Sun.	6..	51	.....	7.07	34 S. Calvert st.	James McNeal.	Warehouse.	2, 4	.....	Five-story brick	Loss, none. Recall 7.21 p.m.; set on fire by boys.
Sun.	6..	248	.....	7.39	Nos. 412 and 414 North st.	Columbia Paper Bag Co.	Paper bag factory.	1, 4, 6, 7, 9	1, 2, 4	Three-story brick.	Loss, $10,566.81. Recall 12.01 a.m.: unknown.
2d alarm.		248	.....	7.55							
Mon.	7..	413	.....	6.57	Liberty and Fayette sts.	Test alarm, Spanish Legation.	.....	.....	.....	.....	Loss, none. Recall 7.02 p.m.; test alarm.
Tues.	8..	262	.....	5.12	1626 E. Chase st.	Geo. W. Douglas.	Dwelling.	9, 19	5	Three-story brick.	Loss, $115. Recall 5.31 p.m.; explosion of a gasoline stove.
Wed.	9..	48	.....	8.55	315 Bentalou st., Annex.	Matilda Vonherring.	Dwelling.	.....	.....	Three-story brick.	Loss, $15. Recall 9.08 p.m.: explosion of a coal oil lamp.
Thur.	10..	152	7.08	.....	113 S. Regester st.	Sebastian Nurserbein.	Dwelling.	.....	.....	Three-story-and attic brick.	Loss, $2. Recall 7.16 a.m.; upsetting a coal oil stove.
Thur.	10..	247	.....	4.57	712 N. Gay st.	James Magraw.	Dwelling.	6	5	Two-story-and-attic brick.	Loss, $341. Recall 5.03 p.m.: unknown.
Fri.	11..	217	11.51	.....	520 Colvin st.	Sarah Walfrer.	Dwelling.	6	.....	Two-story-and-attic brick.	Loss, $237.90. Recall 12 m.; unknown.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Fri. 11..	28	.....	9.26	1809 Patterson Pk. avenue.	Wm. S. Heise.	Dwelling.	Chem. 6	.....	Two-story brick	Loss, $12.50. Recall 9.33 p.m.; coal oil lamp falling from table.
Sat. 12..	475	.....	1.23	536 N. Mount st.	W. F. Kirby.	Dwelling.	.....	10	Three-story brick.	Loss, $35. Recall 2.06 p.m.; burning chimney.
Sat. 12..	161	.....	1.48	1816 Eastern ave.	John Taylor.	Saloon and dwelling.	.....	3	Three-story brick.	Loss, $32. Recall 1.54 p.m.; explosion of a gasoline stove.
Sat. 12..	533	.....	8.27	851 Woodward st.	Chas. Rehmert.	Dwelling.	10	.....	Two-story brick	Loss, $5. Recall 8.44 p.m.; children playing with matches.
Sat. 12..	635	.....	9.04	Locust Point.	B. & O. R. R. Co.	Shed.	12, 17	6	One-story frame	Loss, $———. Recall 10.50 p.m.; unknown.
Mon. 14..	23	12.31	.....	13 N. Eden st.	Barnet Miller.	Grocery store and dwelling.	3	3	Two-story-and-attic brick.	Loss, $58.65. Recall 12.55 a.m.; set on fire by some person unknown.
Mon. 14..	325	7.17	.....	1129 McCulloh st.	James S. Mullen	Dwelling.	.....	4	Three-story brick.	Loss, none. Recall 7.37 a.m.; carelessness of help.

Tues.	15..	16:	.....	4.20	104 N. Wolfe st.	Paul McKay.	Dwelling.	.....	.....	Two-story brick	Loss, none. Recall 4.28 p.m.; a lighted match thrown in a can of gasoline.
Wed.	16..	23	.....	6.25	300 N. Eden street.	Abraham Sipman.	Store and dwelling.	.....	3	Three-story brick.	Loss, none. Recall 6.33 p.m.; explosion of a coal-oil stove.
Thur.	17..	32	.....	10.02	.....	.....	.....	.....	.....	.....	Loss, none. Recall 10.08 p.m.; false alarm.
Thur.	17..	464	.....	11.16	207 S. Stricker st.	John Roelky.	Dwelling.	14	.....	Three-story brick.	Loss, $51.75. Recall 11.36 p.m.; explosion of a coal-oil lamp.
Fri.	18..	251	.....	4.02	924 E. Eager st.	Adam Lamp.	Dwelling.	.....	5	Three-story brick.	Loss, none. Recall 4.24 p.m.; fireworks.
Fri.	18..	369	.....	5.49	.....	.....	.....	.....	.....	.....	Loss, none. Recall 5.58 p.m.; false alarm.
Fri.	18..	616	.....	6.34	Winan's Wharf foot of Covington street.	Chesapeake Cooperage Co.	Yard (storage)	12	6	.....	Loss, none. Recall 6.55 p.m.; unknown.
Fri.	18..	418	.....	9.17	221 W. Lexington street.	New York Confectionery Co.	Confectionery store and dwelling.	.....	2	Three-story brick.	Loss, none. Recall 9.23 p.m.; heat from stove.
Sat.	19..	326	1.01	.....	1617 Division st.	Mrs. Crown.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 1.15 a.m.; unknown.
Sat.	19..	435	5.40	.....	237 Parkin st.	Harry Taylor.	Tenement-house.	.....	.....	Four-story brick	Loss, none. Recall 5.47 a.m.; explosion of a gasoline stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sat. 19..	128	7.15	.....	605 E. Lombard st.	Henry Dowling.	Saloon and dwelling.	.....	.....	Two-story-and-attic brick.	Loss, none. Recall 7.24 a.m.; gasoline igniting from heat of stove.
Sat. 19..	43	.....	6.15	715 Cider alley.	John Cromwell, col.	Stable.	1	2	One-story frame	Loss, none. Recall 6.27 p.m.; explosion of a gasoline stove.
Sat. 19..	514	.....	7.35	405 W. Pratt st.	Wm. Liponetis.	Saloon and dwelling.	.....	.....	Three-and-a-half-story brick.	Loss, none. Recall 7.38 p.m.; lighted match thrown on floor.
Mon. 21..	397	7.50	.....	624 Elm ave., Annex.	Benj. Williams.	Dwelling.	.....	.....	Two-story frame	Loss, none. Recall 8.02 a.m.; explosion of a gasoline stove.
Tues. 22..	184	6.53	.....	806 Cannon st.	Mrs. Elizabeth Spankard.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 7.05 a.m.; leaking stove.
Tues. 22..	168	.....	3.25	607 Chapel st.	Wm. Niemillie.	Shed.	5, 11	3	One-story frame	Loss, $44.45. Recall 3.55 p.m.; explosion of a gasoline stove.
				609 Chapel st.	Margaret Roth.	Shed.	.....	.....	One-story frame	
				602 Washington st.	Anton Espisco.	Shed.	.....	.....	One-story frame	
				604 Washington st.	Mary Leonard.	Shed.	.....	.....	One-story frame	
Wed. 23..	414	.....	8.29	2 & 4 N. Howard street.	Shackman & Lowery.	Drug house.	1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 15	1, 2, 4, 6 W. T.	Four-story brick	Loss, $7,500.13. Recall 12.00 p.m.; unknown.
2d alarm.		.....	8.44							
3d alarm.		.....	8.55							

Wed.	23..	153	.....	9.37	1425 Eastern ave.	Sadie Schultz.	Saloon and boarding-house.	11	.....	Three-story brick.	Loss, $22.50. Recall 9.50 p.m.; heat from lamp.
Thur.	24..	623	2.06	.....	624 S. Charles st.	Jacob Miller.	Grocery store & dwelling.	2	6	Three-story brick.	Loss, $49.63. Recall 2.24 a.m.; unknown.
Sat.	26..	177	5.25	.....	112 Port street.	Theresa Drimal.	Dwelling.	.....	3	Two-story brick.	Loss, $101.90. Recall 5.42 a.m.; explosion of a gasoline stove.
Sat.	26..	156	11.38	.....	911 S. Broadway.	John H. Schmidt	Saloon and dwelling.	.....	3	Three-story brick.	Loss, $92. Recall 11.43 a.m.; unknown.
Sun.	27..	175	.....	1.22	248 S. Collington avenue.	Mrs. Patrick King.	Dwelling.	.....	.....	Three-story brick.	Loss, $20. Recall 1.31 p.m.; children playing with matches.
Sun.	27..	155	.....	9.41	223 S. Spring st.	Hannah Baston.	Dwelling.	.....	3	Two-story-and-attic brick.	Loss, $35. Recall 10.01 p.m.; unknown.
Mon.	28..	168	11.15	.....	2008 Fountain st.	Beverly McKeil.	Dwelling.	.....	3	Two-story-and-attic brick.	Loss, $15. Recall 11.22 a.m.; sparks from stack.
Mon.	28..	458	.....	7.51	1405 Pennsylvania avenue.	Mrs. Mary Stewart.	Store and dwelling.	13	10	Three-story brick.	Loss, $16.80. Recall 8.28 p.m.; unknown.
Tues.	29..	638	12.36	.....	Locust Point.	B. & O. R. R. Co.	Freight car.	17	6	One-story frame	Loss, $———. Recall 1.55 a.m.; unknown.
Tues.	29..	165	8.39	.....	6 N. Dallas st.	Wm. Jackson.	Dwelling.	.....	.....	Two-story brick	Loss, none. Recall 8.47 a.m.; unknown.
Tues.	29..	543	.....	10.45	1126 Battery ave.	Mrs. J. Ruhl.	Dwelling.	.....	6	One-story frame	Loss, $10.50. Recall 10.56 p.m.; explosion of a gasoline stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Wed. 30..	399	8.29	.....	309 Sycamore ave.	John Koerner.	Barber shop and dwelling.	.....	.....	Two-story frame	Loss, none. Recall 9.00 a.m.; explosion of a coal oil stove.
Wed. 30..	184	9.49	.....	2535 Fait ave.	Joseph Szczukouski.	Dwelling.	11	3	Two-story brick	Loss, $187.14. Recall 10.19 a.m.; explosion of gasoline.
Wed. 30..	187	9.54	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 10.12 a.m.; box pulled for preceding fire.
Wed. 30..	451	.....	1.36	520 N. Carey street.	R. V. Moon.	Dwelling.	.....	10	Three-story brick.	Loss, none. Recall 1.53 p.m.; explosion of a water back in range.
July.										
Thur. 1..	336	.....	12.05	318 Tyson street.	Mary R. Brown.	Dwelling.	.....	.....	Two-and-a-half-story brick.	Loss, none. Recall 12.14 p.m.; sparks from chimney.
Thur. 1..	235	.....	1.10	723 N. Chester st.	Conrad Miller.	Dwelling.	.....	.....	Two-story brick	Loss, none. Recall 1.24 p.m.; unknown
Thur. 1..	244	.....	5.36	1027 Greenmount avenue.	John McKewen.	Stable.	.....	5	Two-story frame	Loss, $10. Recall 5.51 p.m.; unknown
Fri. 2..	521	3.24	.....	219 S. Charles st.	Crispen & Dawkins.	Warehouse.	1, 2, 3, 4 6, 10, 12, 15	1, 2, 4 6	Four-story brick	Loss, $2,053.97. Recall 5.20 a.m.; unknown.
2d alarm.	521	3.28			Downs & Co., Commission Merchants.	576				

Fri.	2..	7	.....	2.55	408 W. 25th street, Annex.	John Thompson.	Dwelling.	.....	.....	Two-and-a-half-story brick.	Loss, $6. Recall 3.02 p.m.; explosion of a coal oil stove.
Fri.	2..	143	.....	3.11	1062 Granby street.	Solomon Greenfield.	Dwelling.	.....	.....	Two-story brick	Loss, $18. Recall 3.22 p.m.; carelessness.
Sat.	3..	152	.....	7.27	1720 E. Pratt st.	Henry Smith.	Storage warehouse.	3, 5, 11	3	Three-story brick.	Loss, $———. Recall 8.25 p.m.; spontaneous combustion.
Sat.	3..	176	9.17	.....	2218 Orleans st.	Mrs. L. Lacates.	Dwelling.	9, 11	3	Two-story brick.	Loss, $99.31. Recall 9.46 p.m.; flames from coal oil stove.
Sat.	3..	46	.....	7.56	1603 Frederick ave	James Stoddard.	Saloon and dwelling.	14	.....	Three-story brick.	Loss, $——. Recall 8.04 p.m.; unknown.
Sat.	3..	352	.....	11.50	1430 Linden ave.	James F. McCullar.	Dry goods store.	7, 13	4	One-story brick.	Loss, $623.07. Recall 12.36 a.m.; fireworks.
Sat.	3..	65	.....	10.12	1 W. Barney st.	August Wienholst.	Grocery store and dwelling.	.....	6	Three-story brick.	Loss, none. Recall 10.20 p.m.; fireworks.
Sun.	4..	268	8.31	.....	1523 Bethel street.	Noah Hildebrand.	Kitchen.	.....	5	One-story frame	Loss, $9.20. Recall 8.48 a.m.; explosion of a gasoline tank on stove.
Sun.	4..	143	11.58	.....	1117 E. Pratt st.	Unoccupied.	Dwelling.	3	3	Two-story-and-attic brick.	Loss, $15. Recall 12.14 p.m.; fireworks.
Sun.	4..	157	.....	11.20	1629 Lancaster st.	S. Klobkoraski.	Dwelling.	.....	3	Two-story-and-attic brick.	Loss, $25. Recall 11.57 p.m.; sparks from tobacco pipe.
Mon.	5..	155	11.07	.....	236 & 238 S. Bond street.	Mrs. Susan Ellis and others.	Dwelling.	3, 5	3	Two-story-and-attic frame.	Loss, $50. Recall 11.58 a.m.; fireworks.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Mon. 5..	375	.....	1.02	1335 Pennsylvania ave.	Mrs. May Gable.	Dwelling.	8, 12 Chem. 2	10	Two-story brick	Loss, $145.80. Recall 1.36 p.m.; fireworks.
Mon. 5..	61	.....	1.26	630 Light st.	John Concannon.	Store and dwelling.	2, 12, 15	2, 6	Two-story-and-attic brick.	Loss, $350. Recall 2.14 p.m.; fireworks.
Mon. 5..	161	.....	3.12	1744 Aliceanna st.	J. Wieprect.	Saloon and dwelling.	.....	3	Two-story-and-attic brick.	Loss, $7. Recall 3.19 p.m.; fireworks.
Mon. 5..	426	.....	10.01	4 and 6 Carrollton ave.	Eickenrods & Grier.	Carriage factory.	8	2	Three-story brick.	Loss, $40. Recall 10.13 p.m.; fireworks.
Mon. 5..	35	.....	11.01	253 W. Preston st.	Joseph Lamb.	Carpenter shop.	7	4	Two-story brick	Loss, $177.81. Recall 11.58 p.m.; fireworks.
Tues. 6..	38	4.09	.....	2114 Pennsylvania ave.	Mrs. Elizabeth Younger.	Grocery store and dwelling.	13 Chem. 2	10	Three-story brick.	Loss, $35. Recall 4.31 a.m.; unknown.
Tues. 6..	31	6.16	.....	209 Bath st.	Thos. J. George.	Grocery store and dwelling.	3, 4, 6, 7	1	Two-story-and-attic brick.	Loss, $265. Recall 7.18 a.m.; unknown.
Tues. 6..	216	.....	8.58	1115 Low st.	Alexander Davis	Dwelling.	.....	.....	Two-story-and-attic brick.	Loss, $20. Recall 9.08 p.m.; lamp setting fire to some celluloid collars.
Wed. 7..	155	.....	5.35	254 S. Bond st.	Louis Zox.	Furniture store and dwelling.	.....	3	Three-story brick.	Loss, $———. Recall 5.41 p.m.; unknown.

Wed.	7..	61	.....	10.01	13 Hughes street.	Adam Fields.	Dwelling.	.....		Two-and-a-half story brick.	Loss, none. Recall 10.13 p.m.; explosion of a coal-oil lamp.
Thur.	8..	151	1.47	.....	1431 Bounty lane.	Wm. Becker.	Dwelling.	3	3	Two-story and attic brick.	Loss, $50. Recall 2.06 a.m.; explosion of a coal-oil lamp.
Thur.	8..	414	.....	4.54	23–25 S. Howard st	Hanline Bros.	Paint store.	1, 2, 3, 4, 5	1,2,4,6	Four-story brick	Loss, $13,230.15. Recall 8.39 p.m.; unknown.
2d alarm.				4.55	21 S. Howard st.	Templeman Bros and others.	Wholesale tobacco.	6,7,8,10, 12	W. T.	Four-story brick	
3d alarm.				5.00	21 S. Howard st.	Crawford Bros.	Shoe dealers.	13, 15			
Thur.	8..	24	.....	5.25	419 N. High st.	Louis Becker.	Stable.	9, 11	3	Three-story brick and frame.	Loss, $588.23. Recall 6.49 p.m.; unknown.
Fri.	9..	285	12.54	.....	6Jackson st.Annex	Geo. Ramning.	Barn.	19	5, 7	Two-story frame	Loss, $1,846.87. Recall 5.14 a.m.; unknown.
2d alarm.			1.11		2Jackson st.Annex	Geo. Ramning.	Kitchen.	Chem.		One-story frame	
					4Jackson st.Annex	Joseph Matlan.	Fence.	3, 4, 5, 6		Frame.	
					8Jackson st.Annex	Jos. Ramning.	Stable, fence, etc.			One-story frame	
					10 Jack'n st.Annex	John Ramning.	Dwelling, etc.			Two-story frame	
					12 Jack'n st.Annex	John P. Wagner.	Dwelling, etc.			Two-story frame	
					14 Jack'n st.Annex	Henry Fox.	Shed.			One-story frame	
Mon.	12..	359	.....	4.01	315 W. Preston st.	Mrs. Maria Newman.	Dwelling.	7, 13	4	Two-story and attic brick.	Loss, $——. Recall 5.03 p.m.; overheated stove.
Mon.	12..	318	.....	11.30	320 West Lexington st.	Geo. H. Beall.	Candy factory	1, 7, 15	1, 2	Three-story brick.	Loss, $396.15. Recall 12.42 a.m.; unknown.
Tues.	13..	368	11.21	.....	835 Pierce st.	Daniel Jones.	Dwelling.	8	.....	Three-story brick.	Loss, none. Recall 11.35 a.m.; purposely set on fire.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Wed. 14..	235	.....	6.44	1722 Chester st.	George Vieweg.	Smokehouse.	9	3	Three-story brick.	Loss, $183. Recall 7.23 p.m.; meat taking fire in smokehouse.
Thur. 15..	62	.....	8.32	1047 Light st.	Andrew Kirby.	Laundry and dwelling.	.....	6	Two-story and attic brick.	Loss, $25. Recall 8.40 p.m.; explosion of a coal-oil lamp.
Fri. 16..	531	.....	8.21	720 Ramsay st.	John Benny.	Dwelling.	10	.....	Two-story brick.	Loss, $66. Recall 8.39p.m.; unknown
Sat. 17..	384	.....	3.30	Madison avenue, extended, Annex.	B. C. P. R.R. Co.	Car barn.	.....	.....	One-story brick.	Loss, none. Recall 3.51 p.m.; lightning.
Sat. 17.. Automat'c	858	.....	3.40	.....	.....	.....	.....	.....	.....	Loss, none. Recall 3.50 p.m. lightning.
Sat. 17..	415	.....	3.45	3, 5, 7 and 9 North Eutaw street.	Wm. Kelly.	Saloon and restaurant.	.....	.....	Four-story brick.	Loss, none. Recall 3.52 p.m. electric converter.
Sat. 17..	251	.....	7.34	1300 E. Eager st.	Michael Stumpf.	Grocery store and dwelling.	6, 9	5	Three-story brick.	Loss, $——. Recall 8.31 p.m.; lighted match under a gasoline tank.
Sun. 18..	463	7.46	.....	1629 Foreman's ct.	Alex. Talbott.	Dwelling.	14	10	Two-story brick.	Loss, $——. Recall 8.03 a.m.; unknown.

Sun.	18..	152	.....	6.05	237 S. Broadway.	A. Greenbaum.	Dry goods store and dwelling.	3, 5, 11	3	Three-story brick.	Loss, $675. Recall 6.41 p.m.; unknown.
Sun.	18..	154	.....	10.42	1405 to 1409 Thames st.	E. Levering & Co.	Coffee warehouse.	11	3	Four-story brick.	Loss, none. Recall 11.36 p.m.; spontaneous combustion.
Sun.	18..	241	.....	10.44	503 N. Front st.	CornellusCronin	Dwelling.	4	1	Three-story brick.	Loss, $——. Recall 10.58 p.m.; electric wire.
Tues.	20..	62	.....	4.06	1044 James al.	Rubea Kimball.	Dwelling.	.....	6	Two-story brick.	Loss, $54.26. Recall 4.12 p.m.; explosion of a gasoline stove.
Tues.	20..	439	.....	4.41	1013 Boyd st.	John Long.	Dwelling.	10	.....	Two-story frame	Loss, $99.90. Recall 4.54 p.m.; explosion of a gasoline stove.
Tues.	20..	35	.....	9.50	914 Jordan al.	Francis Cornish.	Dwelling.	.....	.....	Three-story brick.	Loss, $10. Recall 9.58 p.m.; unknown.
Thur.	22..	123	1.25	.....	232 and 240 Buchanan's wharf.	Baugh, Sons & Co.	Warehouse.	4, 6,	1, 3	One-story brick.	Loss, $50. Recall 4.19 a.m.; spontaneous combustion.
Thur.	22..	483	.....	1.51	412 Frederick ave, Annex.	Chas.H.Brunier.	Smoke and slaughter-house.	14 Chem. 1	8, 10	One-story brick.	Loss, $70.06. Recall 2.40 p.m.; overheated smokestack.
Thur.	22..	155	.....	.....	236 S. Bond st.	.....	.....	.....	.....	.....	Loss, none. Recall 3.55 p.m.; smoke from tinner's firepot.
Thur.	22..	527	.....	9.55	226 W. Pratt st.	F.W.Kroh & Co.	Commission	2, 15,	2	Two-story brick.	Loss, $10. Recall 10.31 p.m.; unknown.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Fri. 23..	442	.....	2.12	681 Vine st.	Mrs. Emma Cooper.	Dwelling.	1, 8, 15,	2	Two-and-a-half-story brick.	Loss, $80. Recall 2.49 p.m.; unknown.
				683 Vine st.	Mrs. Bertie Widgins.	Dwelling.			Two-and-a-half-story brick.	
Fri. 23..	31	.....	4.37	325 N. Calvert st.	Mrs. Mary E. Donnelly.	Lodging house.	4, 6	1	Three-story brick.	Loss, $25. Recall 5.04 p.m.; children playing with matches.
Sat. 24..	28	9.51	.....	Rear of Mliton av.	Harry Foy.	Stable.	19	.....	Two-story frame.	Loss, $5. Recall 10.06 a.m.; set on fire by boys.
Sat. 24..	187	.....	10.21	2500 Canton ave.	H. D. Dittmar.	Grocery store and dwelling.	.....	.....	.....	Loss, none. Recall 10.29 p.m.; set on fire by boy.
Sun. 25..	373	5.24	.....	1214 N. Fremont av	Charles Rohr.	Meat store.	13	10	One-story brick.	Loss, $675.95. Recall 6.25 a.m.; unknown.
				1216 N. Fremont av	W. T. Littlepage	Furnit're store and dwelling.	Chem. 2.	.....	Three-story brick.	
				1212 N. Fremont av	F.O.Singer & Co	Stove store.	.....	.....	Three-story brick.	
Sun. 25..	337	9.48	.....	1228 Etting street.	Mrs. Lydia Bond	Dwelling.	.....	4	Three-story brick.	Loss, none. Recall 9.55 a.m.; burning chimney.
Sun. 25..	216	.....	3.16	209 Friendship st.	Mrs. Mary Kirlendorf.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 3.22 p.m.; throwing burnt rags in cellar.

Mon. 26..	188	3.20	.....	1200 Canton ave.	Frederick Hillebrandt.	Bakery and dwelling.	5, 11	3	Two-story brick	Loss, $204.68. Recall 4.26 a.m.; defective flue.
Mon. 26..	533	.....	9.03	755 Columbia ave.	Moses Kromheimer.	Store and dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 9.15 p.m.; electric wire.
Tues. 27..	168	4.41	.....	2037 Aliceanna st.	Western Union Telegraph Co.	Telegraph Office.	5, 11	3	One-story brick.	Loss, $——. Recall 5.30 a.m.; crossed wire on switch board.
				2039 Aliceanna st.	Freeman & Shaw	Office.	.....	.....	One-story brick.	
Tues. 27..	562	.....	5.41	7 W. Randall st.	John Rassiter.	Kitchen.	.....	6	One-story brick.	Loss, $——. Recall 5.48 p. m.; explosion of a gasoline stove.
Wed. 28..	214	.....	10.50	105 N. High st.	Isaac Amos.	Dwelling.	4	1	Two-story and attic brick.	Loss, $——. Recall 11.02 p. m.; unknown.
Thur. 29..	285	12.09	...	.....	.....	.....	.....	.....	.....	Loss, none. Recall 12.13 a. m.; false alarm.
Thur. 29..	638	4.30	.....	Piers 31 and 32, Locust Point.	J. J. Swanie.	Floating elevator.	16	.....	.....	Loss, $5,500. Recall 4.47 a.m.; unknown.
Thur. 29..	636	4.37	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 5.02 a. m.; box pulled for preceding fire.
Thur. 29..	397	9.33	.....	630 Roland ave., Annex.	James Foreman.	Store and dwelling.	.....	.....	Two-story brick	Loss, $5.00. Recall 9.53 a.m.; explosion of a gasoline stove.
Fri. 30..	176	.....	7.01	212 Bradford st.	William Simms.	Dwelling.	Chem. 7	3	Two-story brick	Loss, $2. Recall 7.23 p. m.; burning chimney.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sat. 31..	541	7.28	.....	306 Little York st.	Levi Toepneig.	Dwelling.	2, 15	6	Three-story brick.	Loss, $30. Recall 8.11 a.m.; children playing with matches.
Sat. 31..	426	.....	2.15	1124 W. Baltimore street.	Mrs. Sarah Andrews.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 2.28 p.m.; closed damper.
August, '97 Sun. 1..	43	3.00	.....	650 Cider alley.	Jas. Matthews.	Dwelling.	1, 15	2	Three-story brick.	Loss, $130. Recall 11.22 a.m.; unknown.
Sun. 1..	31	11.09	.....	322 North street.	Foster Bros.	Manufactory spring beds.	4	1	Two-story brick.	Loss, $——. Recall 11.22 a.m.; unknown.
Mon. 2..	526	11.13	.....	219 W. Camden st.	Jos. Koluszkas.	Saloon and dwelling.	2	2	Three-story brick.	Loss, $——. Recall 11.22 a.m.; explosion of a gasoline stove.
Mon. 2..	176	.....	8.25	227 Madeira alley.	Joseph Frank.	Dwelling.	.....	.....	Two-story brick.	Loss, $5. Recall 8.35 p.m.; explosion of a coal oil lamp.
Tues. 3..	65	.....	3.48	1944 Hanover st.	John Ruppert.	Dwelling.	.....	6	Two-story brick.	Loss, $34. Recall 3.58 p.m.; explosion of a coal oil stove.
Tues. 3..	123	.....	7.13	608 E. Pratt st.	Louis Becker.	Saloon and dwelling.	3, 4, 6	1	Two-story and attic brick.	Loss, $123.96. Recall 8.71 p.m.; unknown.

Tues.	3..	61	.....	7.34	10 Little Hughes street.	C. B. Watkins.	Stable.	.....	1	Two-story brick.	Loss, none. Recall 7.45 p.m.; unknown.
Wed.	4..	56	.....	4.58	944 Leadenhall st.	Philip H. Hedwig.	Grocery store and dwell'g.	.....	.....	Three-story brick.	Loss, none. Recall 5.02 p.m.; explosion of a gasoline stove.
Wed.	4..	456	.....	6.09	1038 Lexington st.	John Kane.	Chicken Coop.	8	10	One-story frame	Loss, none. Recall 6.24 p.m.; burning rubbish.
Thur.	5..	424	.....	8.10	800 W. Saratoga st.	J. W. Goldsborough.	Store and dwelling.	8	.....	Three-story brick.	Loss, $23.85. Recall 8.19 p.m.; curtain ignited by lighted gas jet.
Fri.	6..	42	3.36	.....	7 S. Paca st.	Jos. Fareritte.	Saloon and dwelling.	1	2	One-story brick.	Loss, $409.14. Recall 4.04 a.m.; unknown.
Fri.	6..	42	4.50	.....	7 S. Paca st.	Robert Kinnear.	Stable.	1, 7, 15	2	Two-story brick	Loss, $10.00. Recall 5.28 a.m.; rekindle of first fire.
Fri.	6..	533	.....	1.45	N. E. cor. Columbia ave. and Otterbein st.	Frank Winters.	Blacksmith shop.	10	6	One-story brick.	Loss, $25.00. Recall 1.55 p.m.; dropping a lighted match near a gasoline tank.
Sat.	7..	64	.....	12.12	1624 Elizabeth lane.	Mrs. Dena Hassenkamp.	Dwelling.	.....	.....	Two-story brick	Loss, $2.00. Recall 12.24 p.m.; explosion of a can of gasoline.
Sat.	7..	217	.....	1.57	512 Colvin st.	Mrs. Bertie Riggold.	Dwelling.	6	5	Two-story-and-attic brick.	Loss, $24.35. Recall 2.12 p.m.; sparks from chimney.
Sat.	7..	35	.....	10.36	264 W. Biddle st.	Simon Briscoe.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 10.41 p.m.; burning rubbish.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sat. 7..	336	.....	10.52	420 N. Eutaw st.	Henry Ostendorf.	Bird store.	7, 15	2	Two-story brick.	Loss, $———. Recall 11.45 p.m.; unknown.
Sun. 8..	187	.....	8.37	611 S. Luzerne st.	Charles Whitmeyer.	Dwelling.	11	.....	Three-story brick.	Loss, $35. Recall 8.54 p.m.; unknown.
Tues. 10..	439	.....	1.52	1115 Hollins st.	W. J. Donnelly.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $7. Recall 1.59 p.m.; explosion of a tinner's fire pot.
Wed. 11..	368	.....	9.25	404 Clinton ave.	Alfred Bailey.	Dwelling.	8, 13	4	Two-story brick.	Loss, $47.75. Recall 9.50 p.m.; unknown.
Thur. 12..	545	8.14	.....	1150 Hamburg st.	Charles Baker.	Dwelling.	.....	.....	Two-story brick.	Loss, $10. Recall 8.25 a.m.; children playing with matches.
Thur. 12..	531	.....	3.40	800 Burgundy al.	Henry Jacob.	Stable.	10, 15	2	Two-story brick.	Loss, $172.63. Recall 4.26 p.m.; children playing with matches.
Sat. 14..	146	11.21	.....	834 E. Pratt st.	Joseph Kemm.	Tenement house.	3, 6	1	Three-story and attic brick.	Loss, $258.90. Recall 12 m.; explosion of a gasoline stove.
Sat. 14..	523	.....	9.33	11 Little Paca st..	Geo. Kaufman.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 9.40 p. m.; explosion of gasoline stove.

Sun.	15..	395	.....	6.19	S. E. corner Falls road and 4th ave. Annex.	Presbyterian congregation.	Church.	7 Chem.	9	One-story stone.	Loss, $——. Recall 7.02 p.m.; lightning.
Sun.	15..	18	.....	6.43	2733 Boston st,	Tunis Lumber Co	Shed.	1, 2, 3, 4, 5	1,2,3,4	One-story frame	Loss, $104,080.77, Recall 6.22 p.m., Aug. 17; lightning.
2222			.....	6.56	2733 Boston st.	Tunis Lumber Co	Boiler and engine house.	6,8, 9, 10	5,6,10	Two-story brick	
					2735 Boston st.	H. Clay Tunis.	House boat.	11,15,16,17			
					2731 Boston st.	Thos. McCosker & Co.	Floating dry dock.			Frame.	
					2727 Boston st.	J. S. Young Co.	Warehouse.			Two-story frame	
					2729 Boston st.	J. S. Young Co.	Schooner.			Wooden.	
Mon.	16..	171	7.11	.....	410 S. Chester st.	Mrs. S. King.	Dwelling.	8	.....	Three-story brick.	Loss, none. Recall 7.31 a.m.; explosion of gasoline stove.
Mon.	16..	526	.....	12.46	213 and 215 W. Camden st.	Frust Bros. & Co.	Picture frame factory.	1, 2, 15	2	Five-story brick.	Loss, $——. Recall 1.44 p.m.; unknown.
Mon.	16..	546	.....	1.34	917 S. Howard st.	Matthew Gault & Son.	Office.	.....	.....	Two-story brick.	Loss. none. Recall 1.45 p.m.; sparks from chimney.
Tues.	17..	163	8.00	.....	122 N. Washington street.	George Hart.	Dwelling.	.....	3	Two-story brick.	Loss, $48.75. Recall 8.15 a. m.; defective flue.
Wed.	18..	54	12.52	.....	228 West York st.	Ellen Jenkins.	Dwelling.	.....	6	Two-story and attic brick.	Loss, none. Recall 1.05 a. m.; curtain ignited by lighted lamp.
Wed.	18..	73	.....	12.31	Harford road, between Lake and Mantebello ave., Annex.	Henry B. Ritmiller.	Dwelling.	Chem. 5, 6	7	Two-story brick	Loss, $——. Recall 1.42 p. m.; unknown.
Wed.	18..	14	.....	5.30	107 Albemarle st.	Dan'l Hadriman	Dwelling.	3	1	Two-story and attic brick.	Loss, $175. Recall 5.46 p. m.; explosion of a gosoline tank.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

DATE.	BOX.	HOUR A. M	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Thur. 19..	532	2.24	.....	601 W. Conway st.	Herman Micklich.	Confec'y store and dwelling.	2, 10, 15	6	Three-story brick.	Loss, $——. Recall 3.13 a. m.; unknown.
Fri. 20..	36	10.34	.....	1545 Myrtle ave.	James H. Fallon	Dwelling.	13	10	Two-story brick	Loss, $——. Recall 11.24 a. m.; unknown.
Fri. 20..	453	.....	12.37	1619 W. Lanvale st	John Corrigan..	Dwelling.	.....	10	Three-story brick.	Loss, $——. Recall 1.04 p. m.; explosion of gasoline.
Sat. 21..	25	9.47	.....	408 East Eager st.	The Penss Oil Works.	Shed.	6, 9	5	One-story frame	Loss, $——. Recall 11.56 a. m.; stepping on a match.
				408 East Eager st.	The Penss Oil Works.	Stable.			Three-story brick.	
Sat. 21..	165	.....	4.09	22 S. Bethel st.	George E. Garrison.	Dwelling.	.....	3	Two-story-and-attic brick.	Loss, $——. Recall 4.26 p.m.; defective flue.
Sat. 21..	35	.....	7.00	408 E. Eager st.	The Penss Oil Works.	Office and dwelling.	6, 9	5	Three-story brick.	Loss, $——. Recall 8.39 p.m.; throwing a light into gasoline.
Sat. 21..	261	.....	7.48	1401 E. Biddle st.	John F. Atkinson.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 8.02 p.m.; carelessness.
Sat. 21..	156	.....	9.06	1641 Thames st.	Geo. Campbell.	Supply store and factory stable.	3, 5 9, 11	3	Three-story brick.	Loss, $——. Recall 10.53 p.m.; unknown.
				1641 Thames st.	Geo. Campbell.				Two-storybrick.	

Sun.	22..	5	12.45	.....	23 E. German st.	Louis Lanzon.	Dairy Lunch.	4, 15	1	Two-story brick.	Loss, $——. Recall 1.20 a.m.; unknown.
Sun.	22..	146	.....	7.59	215 President st.	A. Leonhardt.	Dwelling.	.....	.....	Two-story brick.	Loss, $——. Recall 8.10 p.m.; husband threw a lamp at his wife.
Mon.	23..	336	.....	8.18	314 N. Eutaw.	Jas. Williams.	Dwelling.	1	4	Two-story brick.	Loss, $——. Recall 8.34 p.m.; unknown.
Tues.	24..	421	12.57	.....	700 Melrose al.	R. Hamilton.	Carpenter shop.	1, 8	2	Two-story brick.	Loss, $——. Recall 1.21 a.m.; unknown.
Tues.	24..	243	.....	3.43	717 Harford ave.	Unoccupied.	Dwelling.	6	5	Two-story and attic brick.	Loss, $——. Recall 4.05 p.m.;unknown
Tues.	24..	238	.....	6.29	1435 Prospect lane.	Thos. Bambeyer.	Dwelling.	.....	....	Two-story brick	Loss, $——. Recall 6.38 p.m.; overflow of gasoline tank.
Wed.	25..	313	....	11.30	322 N. Front st.	Cohen & Slaughton.	Machine shop.	6	.....	Four-story brick	Loss, $——. Recall 11.40 p.m.; electric wire.
Thur.	26..	151	.....	11.39	1501 E. Lombard st	Chas. Haupt.	Saloon and dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 11.48 p.m.; explosion of a coal-oil stove.
Fri.	27..	523	2.12	.....	405–407 W. Barre st	J. Siehler.	Table factory.	1, 2, 10, 15	2, 6	Three-story brick.	Loss, $——. Recall 4.02 a.m.;unknown
Fri.	27..	61	9.08	.....	Pier 19 Light street wharf.	York River Steamboat Co.	Storage shed.	2	6	One-story iron frame.	Loss, $——. Recall 10.12 a.m.; unknown.
Sat.	28..	492	8.08	.....	2504 W. Baltimore street, Annex.	Felix McCann.	Dwelling.	14	.....	Two-story brick	Loss, $——. Recall 8.24 a.m.; explosion of a gasoline stove.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING	REMARKS.
Sat. 28..	436	.....	2.34	203–205 S. Paca st.	Winkel & Stump	Stable.	1,2,7,10,15	2, 4	Two-story brick	Loss, $——. Recall 3.49 p.m.;unknown
Mon. 30..	623	2.43	.....	5 E. Hill st.	Isaac Sample.	Dwelling.	2, 12	6	Two and three-story frame and brick.	Loss, $——. Recall 3.54 a.m.; incendiary.
Mon. 30..	623	4.30	.....	5 E. Hill st.	Isaac Sample.	Dwelling.	2, 12	6	Three-story and attic brick.	Loss, $——. Recall 5.18 a. m.; incendiary.
Mon. 30..	38	.....	1.01	516 Gold st.	Agnes Brown.	Dwelling.	.....	10	Two-story brick.	Loss, $——. Recall 1.18 p. m.; children playing with matches.
Mon. 30..	362	.....	7.35	632 W. Biddle st.	John Williams.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 7.51 p. m.; curtain ignited by lighted gas jet.
Mon. 30..	246	.....	8.30	823 Aisquith st.	Solomon Hollander.	Dwelling.	6	5	Two-story and attic brick.	Loss, $——. Recall 8.45 p. m.; clothing ignited by a lighted candle.
Mon. 30..	24	.....	9.40	265 N. Exeter st.	Louis Friedman.	Factory and dwelling.	3, 4, 6	1	Three-story brick.	Loss, $——. Recall 10.22 p.m.; unknown.
Tues. 31..	526	11.27	.....	313 Hanover st.	Joseph Sevwult.	Tenement house.	2, 4, 15	2	Three-story brick.	Loss, $——. Recall 12.30 p.m.; gasoline taking fire.

Tues.	31..	297	.....	3.25	333 E. 20th st., Annex.	Mrs. S. J. Hooper	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 3.36 p.m.; servant pouring coal oil in hot range.
Tues.	31..	217	.....	6.03	541 N. Exeter st.	John J. Hogan.	Stable.	6	.....	One-story frame.	Loss, $——. Recall 6.12 p.m.; unknown.
Wed.	1..	359	12.21	.....	1021 Linden ave.	Unoccupied.	Dwelling.	1, 7, 13	4	Three-story brick.	Loss, $——. Recall 2.19 a.m.; unknown.
Wed.	1..	352	.....	9.44	1502 Eutaw place.	Michael Ambach	Dwelling.	.....	.....	Four-story brick.	Loss, $——. Recall 9.58 p.m.; spontaneous combustion.
Thur.	2..	145	6.58	.....	1243 Jackson st.	Hans Geiwitz.	Dwelling.	.....	3	Two-story brick.	Loss, $——. Recall 7.12 a.m.; explosion of a gasoline tank.
Thur. Automatic	2..	86	.....	.....	S.W. cor. Pratt and Howard sts.	Sharp & Dohme.	Drug house.	.....	.....	Seven-story brick.	Loss, $——. Recall 5.53 p.m.; unknown.
Thur.	2..	454	.....	10.18	1031 Rice st.	Francis North.	Stable.	13	10	Two-story brick.	Loss, $——. Recall 10.40 p.m.; unknown.
Fri.	3..	272	3.04	.....	1840 E. Biddle st.	Henry B. Botchler.	Saloon and dwelling.	9, 19	5	Three-story brick.	Loss, $——. Recall 3.38 a.m.; counter ignited by lighted gas jet.
Fri.	3..	546	3.24	.....	1045 Ohio ave.	Isaac Sullivan.	Junk shop.	2, 10	6	One-story frame	Loss, $——. Recall 4.13 a.m.; unknown.
Fri.	3..	323	9.21	.....	533 Lambert st.	Mrs. A. Ennis.	Dwelling.	13	4	Two-story brick.	Loss, $——. Recall 9.50 a.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sat. 4..	426	10.13	.....	49 S. Calhoun st.	Wm. Seeley.	Dwelling.	8, 14	2	Three-story brick.	Loss, $——. Recall 10.36 a.m.; explosion of a coal oil stove.
Sat. 4..	13	.....	12.29	212 W. Falls ave.	Myohle & Luken	Lumber yard.	3, 4, 6	1	.....	Loss, $——. Recall 1.21 p.m.; incendiary.
Sat. 4..	262	.....	2.34	1254 North Gay st.	Howard Ray.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Recall 2.44 p. m.; spark from match.
Sat. 4..	135	.....	5.37	1116 Block street.	R. T. Waters & Son.	Lumber yard.	3	1	.....	Loss, $——. Recall 6.01 p.m.; incendiary.
Sat. 4..	247	.....	9.58	Dock and Point sts 569 and 571 North Gay street.	Joseph Thomas. Robert Lauphei-mer & Bro.	Lumber shed. Furniture store.	5	3	One-story frame	Loss, $——. Recall 10.08 p.m.; electric converter.
Sun. 5..	172	.....	3.50	10 South Collington avenue.	Jas. W. Thomas.	Dwelling.	.....	3	Two-story brick	Loss, $——. Recall 4.01 p. m.; children playing with matches.
Sun. 5..	31	.....	5.41	11 Pleasant st.	Mrs. Carrie Hopewell.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 5.52 p.m.; burning sulphur.
Sun. 5..	128	.....	7.50	111 Centre Market space.	Bridget Hogan.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 8.01 p.m.; smoking out mosquitoes.

Sun.	5..	327	.....	9.24	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.33 p.m.; false alarm.
Sun.	5..	154	.....	9.37	Cor. Dock and Point st.	John Hiltz.	Steam launch.	5, 16	3	.....	Loss, $———. Recall 10.35 p.m.; explosion of a coal oil lamp.
Mon.	6..	128	9.03	.....	40 Center Market space.	Aaron Feigenblum.	Dwelling.	.....	1, 3	Two-story brick	Loss, $———. Recall 9.16 p.m.; unknown.
Mon.	6..	43	.....	1.56	703 W. Lombard street.	Mrs. M. Whitney	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $———. Recall 2.02 p.m.; explosion of a gasoline stove.
Mon.	6..	191	.....	4.43	1024 S. Curly st.	Charles Kolb.	Dwelling.	.....	.....	Two-story brick	Loss, $———. Recall 4.54 p.m.; explosion of a coal oil stove.
Mon.	6..	313	.....	6.02	423 N. Charles st.	Hynson & Wescott.	Drug store.	.....	.....	Four-story brick	Loss, $———. Recall 6.13 p.m.; explosion of ether.
Mon.	6..	216	.....	7.37	505 Short st.	Martha Green.	Dwelling.	.....	.....	Two-story brick	Loss, $———. Recall 7.41 p.m.; balloon falling on roof.
Tues.	7..	624	.....	9.12	168 W. Cross st.	Herman Schoenberg.	Dwelling.	.....	6	Three-story brick.	Loss, $———. Recall 9.21 p.m.; unknown.
Tues.	7..	Special.	.....	8.40	Hopkins Estate, Annex.	John Hughes.	Dwelling.	.....	.....	Two-story stone.	Loss, $——. Extinguished by Officer Stuart J. Smith, of the S. W. District: unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Wed. 8..	362	.....	2.08	662 W. Franklin st	W. W. Matthews	Dwelling.	.....	4	Three-story brick.	Loss, $——. Recall 2.22 p.m.; table ignited by lighted gas stove.
Wed. 8..	358	.....	8.57	220–222 E. Preston street.	Mrs. May Austin	Stable.	6, 7, 18	5	Two-story brick	Loss, $——. Recall 11.08 p.m.; unknown.
Thur. 9..	366	.....	1.49	1730 McCulloh st.	John Richardson.	Dwelling.	.....	4	Three-story brick.	Loss, $——. Recall 2.07 p.m.; stepping on parlor match.
Thur. 9..	184	.....	9.50	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.54 p.m.; false alarm.
Fri. 10..	535	.....	9.14	Wooster st., near Washington ave	Fredk. Butkas.	Blacksmith shop.	.....	.....	One-story frame	Loss, $——. Recall 9.28 p.m.; unknown.
Sat. 11..	348	11.02	.....	1729 Guilford ave.	Norah Clarke.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 11.15 a.m.; lighted candle igniting net.
Sat. 11..	454	.....	1.40	N. W. cor. Harlem and Myrtle aves.	"Great Scott."	Furniture and wagon.	8, 13	10	.....	Loss, $——. Recall 1.58 p.m.; unknown
Sat. 11..	397	.....	5.44	640 Roland ave., Anex.	Jos. Foreman.	Dwelling and store.	.....	.....	Two-story brick.	Loss, $——. Recall 5.55 p.m.; explosion of a gasoline stove.

Sat.	11..	362	.....	10.07	609 Mulberry st.	Mrs. A. Reed.	Dwelling.	.....		Three-story brick.	Loss, $——. Recall 10.13 p.m.; smoke from chimney.
Sun.	12..	176	12.24	.....	213 N. Patterson Park ave.	Mrs. Mary A. Townsend.	Dwelling.	9	.....	Two-story brick.	Loss, $——. Recall 12.47 a.m.; explosion of a coal oil lamp.
Sun.	12..	54	9.55	.....	611 Spring Garden avenue.	Mrs. Mary V. Hall.	Dwelling.	2	6	Two-story brick.	Loss, $——. Recall 10.40 a.m.; overheated stove.
					613 Spring Garden avenue.	Isaac Gross.	Dwelling.			Two-story brick.	
Mon.	13..	329	1.30	.....	128 N. Chapel st.	John Ransdenski.	Dwelling.	.....		Two-story brick.	Loss, $——. Recall 1.45 a.m.; ignited from a lighted cigar.
Mon.	13..	235	3.26	.....	543 N. Chester st.	United States Tea Co.	Store and club house.	9	.....	Three-story brick.	Loss, $——. Recall 3.46 a.m.; lighted cigar thrown in a box of saw dust.
Tues.	14..	543	5.13	.....	1020 Riverside av.	Wm. H. Miller.	Dwelling.	12	.....	Three-story brick.	Loss, $——. Recall 5.30 a.m.; lighted match ignited clothing.
Tues.	14..	639	.....	2.30	Between Clement and Beason sts.	Unoccupied.	Shed.	17	.....	One-story frame.	Loss, $——. Recall 2.55 p.m.; unknown.
Tues.	14..	394	.....	4.58	Third avenue, east of Chestnut avenue, Annex.	Forsuch & Wilson.	Blacksmith shop.	18	9	One-story frame	Loss, $——. Recall 7.37 p. m.; spark from forge.
								2, 3, 4 Chem.			
					299 Chestnut ave.	Walter Baldwin	Stable.			Two-story frame	
					297 Chestnut ave.	John Miller.	Shed.			One-story frame	
					295 Chestnut ave.	John Thomas.	Shed.			One-story frame	
					293 Chestnut ave.	John Buckner.	Dwelling.			Two-story frame	
					291 Chestnut ave.	Dr. Charles Mitchell.	Dwelling and stable.			Two-story frame	

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Tues. 14..	157	.....	5.44	723 S. Caroline st.	Henry Larabee.	Iron foundry.	.....	3	One-story brick.	Loss, $——. Recall 6.04 p. m.; spark from cupola.
Tues. 14..	183	.....	6.26	933 Benny street.	Jacob Sensky.	Dwelling.	11	3	Two-story brick	Loss, $——. Recall 6.41 p. m.; explosion of a gasoline stove.
Tues. 14..	171	.....	6.29	.....	.....	.....	.....	.....	.....	Loss, none. Recall 6.42 p. m.; false alarm.
Tues. 14..	218	.....	6.38	26 Albemarle st.	Mrs. Mary Walters.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 6.47 p. m.; explosion of a coal oil lamp.
Tues. 14..	18	.....	9.15	2712 Elliott street.	Bromstam Worensky.	Dwelling.	11	....	Two-story brick	Loss, $——. Recall 9.25 p. m.; unknown.
Tues. 14..	Special	.....	12.45	901 Potomac st.	Joseph Bucher.	Dwelling.	.....	.....	Two-story brick	Loss, $———. Extinguished by Officers Schiffler and Friedel, of the Eastern District. Inspected by Captain Lind, of Engine Co. No. 11.

Tues.	14.	Special	.....	6.00	436 N. Register st.	Karl Hacker.	Dwelling.	.....	.....	.....	.....	Loss, $———. Extinguished by Officer Armstrong, of the N. E. District. Inspected by Captain Macauley, Engine Co. No. 9.
Thur.	16.	456	6.57	.....	323 to 329 N. Carrollton ave.	Unoccupied.	Stable.	8	10	Four-story brick		Loss, $———. Recall 7.15 a.m.; unknown.
Thur.	16.	157	11.49	.....	717 S Bond st.	Joseph Kreitchman.	Dwelling.	5	3	Two-story brick		Loss, $———. Recall 12.36 p.m.; smoking pipe in bed.
Fri.	17.	427	.....	6.17	511 W. Saratoga street.	Miss Annie Weister.	Dwelling.	.....	.....	Three-story brick.		Loss, $———. Recall 6.30 p.m.; smoke from window.
Fri.	17.	255	.....	6.59	1917 Aisquith st.	Mrs. Mattie Bailey.	Dwelling.	.....	.....	Two-story brick		Loss, $———. Recall 7.12 p.m.; explosion of a coal oil stove.
Sat.	18.	154	.....	10.35	Chase's wharf.	Philip Weaver.	Tug boat, L. Spedden.	16	3	.....		Loss, $——. Recall 11.04 p.m.; unknown.
Sun.	19.	143	.....	4.42	207 S. Central ave.	Harris Sklar.	Store and dwelling.	3	3	Three-story brick.		Loss, $——. Recall 5.11 p.m.; explosion of a gasoline stove.
Sun.	19.	143	.....	5.45	114 to 118 S. Eden street.	John W. Cruett.	Bakery.	.....	.....	Two-story brick		Loss, $——. Recall 5.53 p.m.; bursting of a steam pipe.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building	Remarks.
Mon. 20..	26	.....	5.40	1241 Ashland ave.	Philip Bangert & Bro.	Oil tank.	.....		.....	Loss, $——. Recall 5.50 p.m.; unknown.
Tues. 21..	274	2.23	.....	2100 E. Biddle st.	Petro Koebs.	Store and dwelling.	9	5	Two-story brick	Loss, $——. Recall 3.16 p.m.: unknown.
Tues. 21..	162	5.54	.....	910 Fell street.	Jeremiah Hurly.	Saloon and dwelling.	.....		Two-story-and-attic brick.	Loss, $——. Recall 6.05 a.m.; smoking pipe in bed.
Tues. 21..	38	.....	7.14	2217 Division st.	J. R. Dillon & Co.	Coal and wood yard.	.....		Fence and post.	Loss, $——, Recall 7.25 p.m.: unknown.
Wed. 22..	351	.....	6.10	1216 Madison ave.	Mss. E. L. Walters.	Dwelling.	.....	4	Four-story brick	Loss, $——; Recall 6.21; explosion of a coal oil lamp.
Wed. 22..	636	.....	8.46	Hamilton's Wharf, foot of Haubert street.	J. M. Hamilton & Co.	Storage house.	17	6	Three-story frame.	Loss, $——. Recall 9.16 p.m.; overheated stovepipe.
Wec. 22..	456	.....	10.17	323 to 329 N. Carrollton ave.	Unoccupied.	Stable.	8	10	Four-story brick.	Loss, $——. Recall 10.37 p.m.: unknown.
Fri. 24.. Automatic	863	6.42	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 6.53 a.m.; false alarm.
Sat. 25..	612	8.17	.....	707 Light st.	Thos. S. Brown.	Store and dwelling.	2	6	Three-story brick.	Loss, $——. Recall 8.32 a.m.; explosion of a can of gasoline.

Sat.	25..	42	.....	2.25	5 and 7 N. Paca st.	Robert Kinnear.	Stable.	1, 7, 15	2	Two-story brick.	Loss, $——. Recall 3.20 p.m.; unknown.
Sat.	25..	161	.....	9.56	415 S. Durham st.	Samuel R. Wilkinson.	Dwelling.	.....	3	Three-story brick.	Loss, $——. Recall 10.09 p.m.; gasoline tank taking fire.
Sun.	26..	63	.....	11.25	1605 Patapsco st.	Henry Nagle.	Kitchen.	.....	6	One-story frame	Loss, $——. Recall 11.42 a.m.; explosion of a gasoline stove.
Sun.	26..	4	.....	6.55	206 E. Baltimore st.	James F. Eline and others.	Electrical supply house.	4	.....	Three-story brick.	Loss, $——. Recall 6.59 p.m.; unknown.
Tues.	28..	229	9.24	.....	130 N. Washington street.	Fredk. Rextroth	Dwelling.	5, 9, 11	3	Three-story brick.	Loss, $——. Recall 10.07 a.m.; unknown.
Tues.	28..	Special.	.....	6.50	392 Forrest st.	Mrs. Ethel Minstein.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $——. Extinguished by Wm. Harris; investigated by Captain Betz, of No. 6 Engine Company.
Wed.	29..	324	6.16	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 6.26 a.m.; false alarm.
Wed.	29..	628	.....	5.39	Pier 31 B. & O. R. R., Locust Point	Steamship Sedgemore.	Steamship Sedgemore.	2	6	....	Loss, $——. Recall 6.14 p.m.; unknown
Thur.	30..	417	.....	9.35	....	.....	.....	.....	.....	.....	Loss, none. Recall 9.45 p.m.; false alarm.

Date.	Box.	Hour A. M	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Thur. 30..	Special.	.....	6.10	835 N. Wolfe st.	Thomas C. Dudrow.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Extinguished by Officer Dudrow and investigated by Capt. David Macauley and found all right.
October '97										
Sat. 2..	56	9.26	.....	158 W. Hamburg st	Margaret Lions.	Dwelling.	.....	6	.....	Loss, $——. Recall 9.36 a.m.: child pouring oil on fire.
Sat. 2..	146	.....	6.44	200 to 206 President street.	James Bates & Co.	Iron foundry.	3	1	One-story brick.	Loss, $——. Recall 7.00 p.m.: hot castings.
Mon. 4..	423	8.01	.....	604 W. Baltimore street.	James Ras.	Barber shop and dwelling.	1	2	Three-story brick.	Loss, $——. Recall 8.22 a. m.: overheated furnace.
Mon. 4..	456	.....	1 36	323 to 329 N. Carrollton avenue,	Unoccupied.	Stable.	8	10	Four-story brick.	Loss, $——. Recall 1.51 p. m.: unknown.
Mon. 4..	Special.	.....	8.30	2300 Cambridge st.	Nicholas Connolly.	Saloon and dwelling.	.....	.....	Three-story brick.	Loss, $——. Extinguished by Officer Kelly, Eastern District. Inspected by Capt. Lind, No. 11 Engine Co., found O.K.

Tues.	5..	368	.....	8.11	864 Pierce street.	Pratt Wallace.	Dwelling.	8	.....	Three-story brick.	Loss, $——. Recall 8.41 p. m.; unknown.
Tues.	5..	521	.....	9.21	227 Hanover st.	Oden B. Pyle.	Grocery store.	2	2	Three-story brick.	Loss, $——. Recall 9.41 p. m.; incendiary.
Wed.	6..	425	7.07	.....	836 Raborg street.	Mary Stewart.	Dwelling.	8	.....	Two-story-and-attic brick.	Loss, $——. Recall 7.29 a. m.; unknown.
Wed.	6..	244	.....	5.15	803 East Chase st.	James McClusky	Dwelling.	6	5	Three-story brick.	Loss, $——. Recall 3.40 p. m.; unknown.
Wed.	6..	214	.....	8.18	906 E. Fayette st.	Isaac Friedman.	Paper store and dwelling.	.....	.....	Three-story brick.	Loss, $———. Recall 8.27 p.m.; overflow of gasoline from tank on stove.
Wed.	6..	288	.....	10.36	2309 Greenmount ave., Annex.	Mrs. Annie Courtney.	Slaughter house.	18, 19	5	One-story frame	Loss, $———. Recall 12.18 a. m.; unknown.
							Slaughter house.	.....	.....	One-story frame	
							Stable.	.....	.....	One-story frame	
							Stable.	.....	.....	One-story frame	
							Ice house.	.....	.....	One-story brick.	
							Stable.	.....	.....	One-story frame	
							Shed.	.....	.....	One-story frame	
							Shed.	.....	.....	One-story frame	
							Shed.	.....	.....	One-story frame	
Thur.	7..	281	1.16	.....	24 Belair ave., Annex.	George Moryer.	Stable.	6, 9, 19	5	One-story frame	Loss, $———. Recall 3.56 a. m.; unknown.
2d alarm.	...		1.23	.....	.....	.....	Stable.	Chem. 5, 6	.....	Two-story brick	
							Slaughter house.	.....	.....	Two-story brick	
							Stable.	.....	.....	Two-story brick	
							Slaughter house.	.....	.....	Two-story brick	
					20 Belair ave.	Henry Braner.	Stable.	.....	.....	Two-story brick	
					30 Belair ave.	Charles Dollinger, Jr.	Fence.	.....	.....	Frame.	

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Thur. 7..	153	11.06	.....	509 S. Bond st.	Simon Zing.	Bakery and tenement.	3, 5, 11	3	Three-story and attic brick.	Loss, $———. Recall 12.01 p.m.; unknown.
Thur. 7..	623	.....	8.58	7 to 21 W. Henrietta street.	Chas. G. Kriel.	Smokehouse.	.....	6	Two-story brick	Loss, $——. Recall 9.14 p.m.; sparks from fire.
Thur. 7..	422	.....	11.06	313 W. Fayette st.	Baltimore Coupe Co., Robt. Kinnear, pres't.	Stable.	1, 2, 4, 7	1, 2	Two and three-story brick.	Loss, $——. Recall 1.34 a.m., on 8th; unknown.
Fri. 8..	Special.	.....	7.00	1935 E. Fayette st.	H. C. W. Kumlehn.	Bakery and dwelling.	15	.....	Three-story brick.	Loss, $——. Extinguished by Mr. Kumlehn, inspected by Captain Macauley, of Engine Company, No. 9, and found all safe; unknown.
Fri. 8..	264	.....	8.51	611½ N. Bethel st.	Jeremiah Chester.	Dwelling.	9	.....	Two-story brick	Loss, $——. Recall 9.05 p.m.; unknown
Fri. 8..	212	.....	11.30	20 Harrison st.	Theodore Klein.	Shoe store and dwelling.	.....	1	Three-story brick.	Loss, $——. Recall 11.56 p.m.; explosion of a coal-oil lamp.
Sat. 9..	365	.....	9.27	Rear of 951 Pennsylvania ave.	James Ray.	Stable.	7	4	One-and-a-half story frame.	Loss, $——. Recall 9.52 p.m.; unknown

Sat.	9..	Special.	.....	9.45	2111 Orleans st.	Frederick Wagner.	Bakery and dwelling.	.....	.....	Two-story brick	Loss, $——. Extinguished by Officer Wheeler, of N. E. D., inspected by Captain Macauley, of Engine Company No. 9, and found all safe.
Sun.	10..	464	.....	1.01	1726 McHenry st.	Rebecca Wayson	Dwelling and store.	14	10	Three-story brick.	Loss, $——. Recall 1.24 p.m.; defective flue.
Mon.	11..	361	.....	6.19	308 N. Green st.	Annie Perry	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 6.28 p.m.; explosion of a gasoline stove.
Tues.	12..	165	.....	7.33	729 E. Pratt st.	Moritz Hamburger.	Dwelling.	3, 5	1	Three-story brick.	Loss, $——. Recall 8.25 p.m.; unknown.
Tues.	12..	157	.....	7.56	724 S. Bethel st.	Victor Lapinski.	Dwelling.	5, 11	3	Three-story brick.	Loss. $——. Recall 8.40 p.m.; unknown.
Tues.	12..	Special.	.....	7.05	711 N. Stricker st.	S. R. Billups.	Dwelling and store.	.....	1	Three-story brick.	Loss, ——. Extinguished by S. R. Billips; inspected by Capt. Jordan, of No. 10 H. & L., and found all safe.
Thur.	14..	475	.....	5.55	1708 Harlem ave.	Unoccupied.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 6.15 p.m.; burning of a pan of sulphur.
Fri.	15..	153	.....	8.50	529 S. Caroline st.	Wm. Attenburg.	Eating and lodging house.	.....	.....	Two-story-and-attic brick.	Loss, $——. Recall 8.55 p.m.; leaky gasoline tank.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Fri. 15..	153	1.38	.....	710 to 720 S. Caroline street.	Robert Lang & Son.	Kindling-wood mill.	5	3	One-story frame.	Loss, $——. Recall 2.45 a.m.; sparks from stack.
Sat. 16..	324	10.37	.....	522 Union st.	Christian Hafel.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Recall 10.48 a.m.; burning chimney.
Sun. 17..	425	8.46	.....	876 W. Baltimore street.	John Magez.	Store and dwelling.	8	.....	Two-story and attic brick.	Loss, $——. Recall 9.00 a.m.: sparks from chimney.
Mon. 18..	176	11.34	.....	525 Patterson Park avenue.	John W. Travers	Dwelling.	5, 9, 11	3	Two-story brick	Loss, $——. Recall 12.01 p.m.: unknown.
Mon. 18..	561	.....	1.19	1232 Sharp st.	Henry Lyons.	Dwelling.	.....	6	Three-story brick.	Loss, $——. Recall 1.31 p.m.; gasoline takes fire.
Mon. 18..	414	.....	6.27	208 W. Baltimore street.	J. Schoeneman.	Clothing Mfg.	1,2,4,7,15	1, 2	Four-story brick.	Loss, $——. Recall 8.31 p.m.: unknown.
Mon. 18..	336	.....	9.02	306 N. Howard st.	Pat. letter-box post, supply Home P. O.	Supply house.	1, 7, 15	2, 4	Three-story and attic brick.	Loss, $——. Recall 10.22 p.m.; unknown.
Tues. 19..	45	.....	6.00	25 S. Fremont st.	Geo. C. Crocken	Laundry and dwelling.	1, 15	1, 4	Three-story brick.	Loss, $——. Recall 7.23 p.m.; unknown.
Tues. 19..	264	.....	8.14	1406 E. Monument street.	Jacob Busch.	Dwelling.	9	5	Two-story and attic brick.	Loss, $——. Recall 8.31 p.m.; upsetting a lighted coal oil lamp.

Wed.	20..	271	6.05	.....	27 N. Wolfe st.	Florence Burgan.	Candy factory and dwelling.	9	.....	.....	Two-story brick	Loss, $——. Recall 6.21 a.m.; explosion of a gasoline stove.
Thur.	21..	153	7.35	.....	1438 Eastern ave.	Julius Morrello.	Grocery store and tenement.	5		3	Three-story brick.	Loss, $——. Recall 7.55 p.m.; heat from stove.
Thur.	21..	291	8.19	.....	2446 Montebello ave., Annex.	John Miller.	Dwelling.	.....		5	Two-story brick	Loss, $——. Recall 8.45 a.m.; overheated stove.
Thur.	21..	393	.....	3.50	3078 Cedar ave., Annex.	Chas. Thomas.	Porch.	7 Chem.		.....	One-story frame	Loss, $——. Recall 4.02 p.m.; explosion of a gasoline stove.
Thur.	21..	164	.....	5.42	317 S. Washington street.	Edward Collins.	Dwelling.	.....		3	Two-story brick	Loss, $——. Recall 5.52 p.m.; leaking gasoline tank.
Fri.	22..	416	11.40	.....	46 S. Green st.	Mrs. Jacob M. Leny.	Dwelling.	1, 15		2	Two-story and attic brick.	Loss, $——. Recall 12.12 p.m.; unknown.
Fri.	22..	259	.....	2.34	1100 Wilcox st.	Michael Tarpy.	Dwelling.	.....		.....	Two-story brick	Loss, $——. Recall 2.45 p.m.; drying wood in stove.
Fri.	22..	339	.....	5.28	206 E. Read st.	Y. L. Booten.	Dwelling.	7		.....	Three-story brick.	Loss, $——. Recall 5.42 p.m.; lighted match thrown on couch.
Sat.	23..	62	5.33	.....	1046 Light st.	Wm. S. Johnson.	Shed.	2, 12		6	One-story frame.	Loss, $———. Recall 6.20 a.m.; unknown.
Sat.	23..	158	6.15	.....	1532 Thames st.	J. Klembkit and others.	Saloon and tenement.	.....		3	Three-story brick.	Loss, $———. Recall 6.32 a.m.; unknown.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Sat. 23..	252	8.28	.....	707 Colvin st.	Henry F. Brener.	Dwelling.	.....	5	Two-story brick	Loss, $———. Recall 8.45 a.m.; explosion of coal oil stove.
Sat. 23..	163	9.55	.....	13 N. Chester st.	G. B. North.	Dwelling.	9	3	Three-story brick.	Loss, $———. Recall 10.14 a.m.; leaking gasoline stove.
Sat. 23..	172	9.58	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 10.08 a.m.; box pulled for preceding fire.
Sat. 23..	273	11.35	.....	2033 Oliver st.	Henry Meiderhauser.	Dwelling.	Chem. 6	.....	Two-story brick.	Loss, $———. Recall 11.50 a.m.; explosion of a gasoline stove.
Sat. 23..	Special	11.00	.....	1712 E. Monument street.	Louis Hax.	Dwelling.	.....	.....	Three-story brick.	Loss, $———. Extinguished by Mrs. Hax, inspected by Captain Macauley, of Engine Co. No. 9, and found all safe; upsetting a coal oil stove.

Sat.	23..	Special.	.....	11.20	1407 Eastern ave.	Andrew Beckert	Tenement-house.	.....	.....	Three-story brick.	Loss, $——. Extinguished by Officer Kiggins, of Eastern District. Inspected by Capt. Lind, of Engine Company No. 11, found all safe; a lighted lamp thrown in fright.
Sat.	23..	274	.....	12.12	2054 East Hoffman street.	Caspar Alt.	Broom factory and dwelling.	9, 19 Chem. 6	5	Three-story brick.	Loss, $——. Recall 2.10 p. m., unknown.
Sat.	23..	392	.....	7.05	2740 Huntingdon avenue, Annex.	Edward Kelly,	Dwelling.	18	.....	Two-story brick	Loss, $——. Recall 7.18 p. m.; explosion of a gasoline stove.
Sun.	24..	452	7.23	.....	219 Parrish alley.	George Garrett.	Dwelling.	8, 13, 14	10	Two-story brick	Loss, $——. Recall 8.30 a. m.; explosion of a coal oil lamp.
Sun.	24..	363	11.53	.....	830 Bradley street.	Sallie Moore.	Dwelling.	8	4	Three-story brick.	Loss, $——. Recall 12.17 p. m.; overheated stove.
Sun.	24..	254	.....	5.20	S. E. Cor. Greenmount ave. and 20th st., Annex.	Geo. E. Pfieffer.	Store and dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 5.28 p. m.; child playing with matches.
Sun.	24..	286	.....	10.28	Gorsuch ave., opp.	Mrs. Elizabeth	Barn, shed,	18, 19	5, 7	Two-story frame	Loss, $——. Recall
2d alarm		286	.....	10.40	Adams st., Annex.	Gelman.	fence, cows, &c.	3, 4, 5, 6 Chemicals			2.09 a.m., Oct. 25; unknown.
Mon.	25..	213	7.15	.....	115 and 117 N. Front st.	BaltimoreTransfer Co.	Stable.	.....	.....	Two-story brick	Loss, $——. Recall 7.18 a.m.; electric wire.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Tues. 26..	161	.....	1.28	1740 Aliceanna st.	Wm. Rush.	Office and dwelling.	.....	3	Two-story and attic frame.	Loss, $——. Recall 1.42 a.m.; explosion of a coal oil lamp.
Tues. 26..	155	11.39	.....	306 S. Eden st.	Jos. Aruntowaz.	Tenement house.	.....	3	Three-story brick.	Loss, $——. Recall 12 m.; explosion of gasoline stove.
Tues. 26..	151	.....	7.25	130 S. Dallas st.	Kate Rose.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Recall 7.36 p.m.; explosion of a coal oil lamp.
Tues. 26..	286	.....	8.37	524 Gorsuch ave., Annex.	John H. Kirk.	Dwelling.	.....	.....	Two-story frame	Loss, $——. Recall 8.47 p.m.; explosion of a coal oil lamp.
Wed. 27..	381	8.39	.....	1348 N. Calhoun st.	Josephine Lee.	Dwelling.	13, 2 Chem.	10	Three-story brick.	Loss, $——. Recall 9.24 a.m.; child playing with matches.
Thur. 28..	457	2.10	.....	929 Woodyear st.	Mrs. L. Chase.	Dwelling.	.....	10	Two-story brick	Loss, $——. Recall 2.32 a.m.; unknown.
Thur. 28..	468	8.05	.....	1 Mosely street, Annex.	Mrs. Elizabeth Stone.	Dwelling.	14 1 Chem.	8	Two-story frame	Loss, $——. Recall 9.53 a.m.; explosion of a coal oil stove.

Fri.	29..	Special.	.....	12.00	323 to 329 N. Carrollton avenue.	Unoccupied.	Stable.		.....	Four-story brick	Loss, $——. Extinguished by Officers Sedicum and Butler, of the S. W. District. Inspected by Lieut. Cook, of No. 8 En-Co., and found safe; supposed incendiarism.
Fri.	29..	712	.....	12.31	97 Cedar avenue, Annex.	John Garey.	Dwelling.	3 7 Chem.	9	Two-story brick.	Loss, $——. Recall 1.42 p.m.; unknown.
Sat.	30..	237	10.53	.....	1915 Jefferson st.	Mrs. Mary Lumkuhler.	Dwelling.	9	3	Three-story brick.	Loss, $——. Recall 11.13 a.m.; child upsetting a can of gasoline.
Sat.	30..	218	.....	1.15	1 S. High street.	Mrs. Jos. Beard.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 1.25 p.m.; pot of tar boiling over.
Sat.	30..	Special.	.....	5.45	813 W. Saratoga st	Kate Powers.	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $——. Extinguished by Hostler McGlennan, of Engine Co. No. 8, and Officer Jarboe, of the Western District; inspected by Lieut. Cook, of Engine Co. No. 8, and found all safe.
Sat.	30..	176	.....	5.48	229 Montford ave.	Osburn Selby.	Dwelling.	.....	3	Three-story brick.	Loss, $——. Recall 6.14 p.m.; unknown
Sat.	30..	348	.....	10.30	.....	.....	.....	.....	.....	.....	Loss, none. Recall 10.42 p.m.; false alarm.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building	Remarks.
Sun. 31..	381	8.26	.....	1521 Presstman st.	Joseph Weber.	Dwelling and bakery.	13	10	Three-story brick.	Loss, $——. Recall 8.54 a.m.; carelessly piling wood against a stove.
Sun. 31..	231	.....	5.10	1611 Walker st.	Herman Kastins	Shed.	9	.....	One-story frame	Loss, $——. Recall 5.27 p.m.; explosion of a gasoline stove.
Sun. 31..	264	.....	5.21	1500 E. Madison st	T. W. Barber.	Saloon and dwelling.	.....	5	Three-story brick.	Loss, $——. Recall 5.34 p.m.; heat from drum.
Sun. 31.. *Nov.*, 1897.	525	.....	7.24	26 W. Pratt st.	John Butterschise.	Dwelling.	2, 15	2	Three and a-half story brick.	Loss, $——. Recall 8.01 p.m.; unknown
Mon. 1..	365	3.02	.....	920 Pennsylvania avenue.	F. H. Wilcox.	Bakery and storage house.	7	4	Two-story brick	Loss, $——. Recall 4.06 a.m.; pan of lard boiling over.
Mon. 1..	155	9.23	.....	1429 Gough st.	Benjamin Goodman.	Tenement, tailoring and synagogue.	....	3	Two-story and attic brick.	Loss, $——. Recall 9.36 a.m.; explosion of a gasoline stove.
Thur. 4..	161	12.05	.....	420 S. Ann st.	Royal Republican Club.	Club house.	.....	3	Three-story brick.	Loss, $——. Recall 12.22 a.m.; decorations ignited by a lighted candle.
Thur. 4..	7	10.29	.....	451 W. Twenty-fourth street, Annex.	Jos. McFarland.	Dwelling.	18 Chem. 3	.....	Two-story brick.	Loss, $——. Recall 10.48 a.m.; child playing with matches.

Thur.	4..	68	.....	8.20	N. E. cor. Charles and Wells sts.	Patrick Kennedy	Finishing shop.	2, 12, 17	6	One-story brick.	Loss, $——. Recall 10.46 p.m.; sparks from cupola.
Thur.	4..	65	.....	8.26	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.45 p.m.; box pulled for preceding fire.
Thur.	4..	257	.....	10.40	1220 Holbrook st.	Mrs. Christian Stieffel.	Dwelling.	19	5	Two-story brick.	Loss, $——. Recall 11.19 p.m.; explosion of a gasoline stove.
Fri.	5..	357	2.28	.....	Cor. Park ave. and Biddle st.	Calvary Baptist Congregation.	Church.	7	4	One-story stone.	Loss, $——. Recall 3.25 a.m.; supposed incendiary.
Fri.	5..	351	6.01	.....	In rear of 1217 Madison ave.	Unoccupied.	Stable.	.....	4	Two-story brick	Loss, $——. Recall 6.13 a.m.: unknown.
Fri.	5..	Special	.....	.....	1506 Boyle st.	Frederick Crospens.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Extinguished by Officer Frank Ostendorf, of Southern District, investigated by Acting Lieut. Wheatley, of Engine Co. No. 12, and found safe.
Fri.	5..	361	.....	10.47	641 W. Saratoga street.	D. E. Staffel.	Dwelling.	8	.....	Two-story brick	Loss, $——. Recall 11.04 p.m.; lighted gas jet igniting mosquito net.
Sat.	6..	338	11.48	.....	509 Mulberry st.	Henry W. Gaskins.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 11.53 a.m.; explosion of a gasoline stove.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sun. 7..	68	.....	2.11	Cor. Wells and Byrd sts.	Matthai Ingram & Co.	Galvanizing factory.	2, 12, 17	6	One-story frame	Loss, $——. Recall 4.28 p. m.; sparks from locomotive.
Mon. 8..	216	3.31	.....	1137 Low street.	Sophia Horn.	Shed.	6, 9	1	One-story frame	Loss, $——. Recall 4.15 a.m.; supposed incendiary.
				1135 Low street.	Benj. Harris.	Shed.			One-story frame	
				1133 Low street.	Nathan Goldstein.	Shed.			One-story frame	
				131 Aisquith st.	Wm. Miller.	Fence.			Frame.	
Mon. 8..	238	.....	8.55	819 N. Bond st.	Fred'k Govetzke	Grocery store and dwelling.	9	.....	Two-story brick	Loss, $——. Recall 9.09 p.m.; careless handling a lighted candle.
Tues. 9..	514	11.45	.....	324 W. Camden st.	Joseph Rainond.	Fruit store.	15	.....	One-story frame	Loss, $——. Recall 12.05 p.m.; leaking gasoline stove.
Tues. 9..	312	.....	2.07	210 Clay street.	H. Meisie & Son	Picture frame factory.	1, 2, 4, 7, 15	1, 2	Three-story brick.	Loss, $——. Recall 3.46 p.m.; sparks from forge.
2d alarm.			2.22		Geo. Esselman & Co.					
Tues. 9..	146	.....	7.00	243 S. High st.	Isaac Herman.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 7.10 p. m.; heat from stove.
Wed. 10..	295	.....	2.22	325 East 23d st., Annex.	Geo. R. Waller.	Dwelling.	.....	..	Three-story brick.	Loss, $——. Recall 2.39 p. m.; paper taking fire from gas stove.

Fri.	12..	342	2.10	.....	123 Mt. Royal ave.	J. W. Sysor.	Dwelling.	18	.....	Three-story brick.	Loss, $——. Recall 2.37 a.m.; badly constructed fireplace.
Fri.	12..	385	5.50	.....	642 W. North ave.	Arthur Emory.	Dwelling.	18	4	Three-story stone.	Loss, $——. Recall 6.56 a.m.; badly constructed fireplace.
Fri.	12..	326	.....	2.07	1643 Pennsylvania avenue.	Lee Mayer.	Grocery store and dwelling.	13	.....	Three-story brick.	Loss, $——. Recall 2.20 p.m.; explosion of a coal oil stove.
Fri.	12..	868	.....	4.32	308–310 W. Pratt st	Frederick Bergner & Co.	Manf. of Albums and novelties.	1, 2, 3, 4	1,2,4,6 W. T.	Four-story brick	Loss, $——. Recall 11.34 p.m.; heat of machine setting fire to celluloid.
Automatic		527		4.33				6, 7, 8, 10,			
2d. alarm				4.34				12, 15, 17			
General .				4.40							
Fri.	12..	482	.....	6.37	1804 Eagle st.	John Gerbig.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Recall 7.07 p.m.; burning soot falling from stove pipe.
Sat.	13..	345	.....	12.03	1801 Maryland ave	Jesse L. Seems.	Dwelling.	18 3 Chem.	.....	Three-story brick.	Loss, $——. Recall 12.31 p.m.; children playing with matches.
Sat.	13..	526	.....	1.06	203 W. Camden st.	Charles F. Taylor & Co.	Paper box factory.	2	2	Four-story brick.	Loss, $——. Recall 1.17 p.m.: unknown.
Sat.	13..	526	.....	3.20	209 W. Camden st. (in rear.)	Unoccupied.	.....	2	.....	.....	Loss, $——. Recall 3.31 p.m.: water thrown in hot tar
Sat.	13..	21	.....	5.28	158 N. Gay street.	Edward C. Clark	Saloon and dwelling.	... .	1	Three-story brick.	Loss, $——. Recall 5.41 p.m.: explosion of escaping gas.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1897.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Sun. 14..	56	11.36	.....	129 W. Cross st.	John Reisett.	Dwelling.	.....	6	Two-story brick.	Loss, $——. Recall 11.50 a.m.: explosion of a coal-oil stove.
Sun. 14..	152	.....	12.08	226 S. Broadway.	Herman Huber.	Club room and stable.	.....	3	Two-story brick.	Loss, $——. Recall 12.19 p.m.: heat from oil stove.
Sun. 14..	146	.....	4.46	206 S. High street.	Benjamin Taffel.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 4.50 p.m.: explosion of a coal-oil stove.
Sun. 14..	387	.....	5.35	2712 Pennsylvania avenue.	John Green.	Dwelling.	.....	.....	Two-story brick.	Loss, $——. Recall 5.50 p.m.: unknown.
Tues. 16..	313	4.25	.....	N.E.cor.of Charles and Franklin sts	Athenaeum Club	Club-house.	7	4	Three-story brick.	Loss, $——. Recall 4.50 a.m.: unknown.
Wed. 17..	153	12.15	.....	N. E. cor. of Rice street and Norris alley.	Thos.R.D. Myers	Bakery and stable.	8, 13, 14	10	Two-story brick.	Loss, $——. Recall 3.05 a.m.: defective flue.
Thur. 18..	493	1.43	.....	Edmondson avenue extended, Annex.	Margaret Waters	Dwelling.	14, 20 Chem. 1	8	Two-story frame	Loss, $——. Recall 3.37 a.m.: incendiary.
Thur. 18.. 2d alarm.	15	2.18 2.22	.....	1616 to 1624 Bank street.	E. Cox & Son.	Stable.	3, 4, 5, 6, 9 11	1, 3	Two-story brick.	Loss, $——. Recall 5.13 a.m., supposed incendiary.

Fri.	19..	381	.....	2.07	1414 Parrish alley.	Lizzie Preston.	Dwelling.	13	10	Two-story brick.	Loss, $——. Recall 2.25 p.m.: children playing with matches.
Fri.	19..	68	.....	4.59	.....	.....	.....	.....	.....	.....	Loss, none. Recall 5.06 p.m.: false alarm.
Fri.	19..	54	.....	6.17	617 N. Howard st.	Mrs. Rachael Wing.	Dwelling and Saloon.	2	6	Three-story brick.	Loss, $——. Recall 6.30 p.m.: explosion of a coal-oil lamp.
Sat.	20..	Special.	9.30	.....	1017 Watson st.	John Josilinsky.	Dwelling.	....	.....	Two-story brick.	Loss, $——. Extinguished by Officer Spies, of Western District, and inspected by Pipeman Herman Fumbaugh, of No. 3 Engine Co., and found O. K.
Sat.	20..	372	10.10	.....	1429 Winchester st	Miltin R. Worley.	Dwelling.	8, 13, 14 Chem. 2	10	Two-story brick	Loss, $——. Recall 11.00 a.m.: table cloth ignited from gasoline stove.
Sat.	20..	339	.....	8.04	6 E. Read st.	Edward Simpson.	Dwelling.	.....	4	Three-story brick.	Loss, $——. Recall 8.24 p.m.: burning chimney.
Sun.	21..	64	7.25	.....	1704 Boyd st.	Frank Brennick	Kitchen.	.....	.....	One-story frame	Loss, $——. Recall 8.00 a.m.: explosion of a gasoline stove.

DATE.	BOX	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Mon. 22..	873	.....	2.09	317-319 N. Howard street.	Wm. H. Scott.	Furniture store.	1, 2, 3, 4, 6	1,2,4,6	Five-story brick	Loss, $——. Recall 10.31 p.m.; unknown.
Automatic	418		2.10	315 N. Howard st.	Uriah Pollack.	Furniture store.	7, 8, 10		Five-story brick	
General .. 2222			2.14	319 Tyson st.	Horace Thompson.	Dwelling.	11, 12, 13		Two-story brick	
				321 Tyson st.	Alice Elliott.	Dwelling.	15, 18		Two-story brick	
				323 Tyson st.	Wm. Rhodes.	Dwelling.			Two-story brick	
Mon. 22..	422	.....	5.39	319 W. Lexington street.	Maurice Bollea.	Vanity store.	.....	5	Three-story brick.	Loss, $——. Recall 5.46 p.m.; unknown
Tues. 23..	255	11.35	.....	1906 Union ave.	John Kelly.	Dwelling.	19	5	Two-story brick	Loss, $——. Recall 11.50 a.m.; children playing with matches.
Tues. 23..	382	.....	10.08	2107 Madison ave.	Martin L. McCormick.	Carriage factory.	7, 13 Chem. 2	10	Three-story brick.	Loss, $——. Recall 11.11 p.m.; unknown.
Wed. 24..	23	11.58	.....	Mullikin st., bet. Aisquith st. and Central ave.	City of Baltimore.	School House No. 7.	6	3	Two-story brick.	Loss, $——. Recall 12.22 p.m.; overheated furnace.
Wed. 24..	231	.....	4.05	616 N. Bond st.	Louis Waldner.	Dwelling.	9	.....	Three-story brick.	Loss, $——. Recall 4.26 p.m.; children playing with matches.
Wed. 24..	244	.....	6.15	805 McKim's court.	Mrs. Mollie Bantam.	Dwelling.	.....	5	Two-story brick.	Loss, $——. Recall 6.25 p.m.; sparks from chimney.

Thur.	25..	512	12.07	.....	1 Uhlers alley.	W. Tomlinson Roberts.	Factory.	15	2	Three-story brick.	Loss, $——. Recall 12.18 a.m.; heat from boiler.
Thur.	25..	187	1.19	.....	2507 Canton ave.	Chas. N. Maxiner.	Tenement.	11	3	Three-story brick.	Loss, $——. Recall 1.51 a.m.; careless handling of matches.
					2509 Canton ave.	John Rau.	Tenement.			Three-story brick.	
Thur.	25..	464	1.47	.....	1317 Lemon st.	John Burns.	Dwelling.	10	.....	Two-story brick.	Loss, $——. Recall 2.06 a.m.; explosion of a coal oil lamp.
Thur.	25..	422	.....	4.52	304 W. Baltimore street.	Cline Bros.	Bicycle store.	15	2	Three-story brick.	Loss, $——. Recall 5.07 p.m.; unknown.
Fri.	26..	143	9.36	.....	1074 Granby st.	L. Seidman.	Tenement house.	.....	.....	Three-story brick.	Loss, $——. Recall 9.47 a.m.; children playing with matches.
Fri.	26..	153	.....	6.49	1425 Eastern ave.	Mrs. Sarah Epstien.	Boarding and tenement.	5	3	Three-story brick.	Loss, $——. Recall 7.07 p.m.; supposed smoking cigar in bed.
Sat.	27..	496	.....	3.57	8th street and Clifton avenue, Annex.	Triangle Club.	Club-house.	14, 20	8	Two-story and attic frame.	Loss, $——. Recall 4.52 p.m.; sparks from open grate.
Sat.	27..	418	.....	7.01	310 Clay street.	John McSerley.	Dwelling.	.....	.....	Two-and-half-story brick.	Loss, $——. Recall 7.10 p.m.; lighted match falling on lounge.
Sat.	27..	216	.....	7.57	1128 Orleans st.	Unoccupied.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 8.06 p.m.; falling gasoline lamp.
Sat.	27..	492	.....	9.27	72 Garrison lane, Annex.	George Haas.	Stable.	14, 20 Chem. 1	8, 10	Two-story frame	Loss, $——. Recall 11.01 p.m.; spontaneous combustion.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE	STYLE OF BUILDING.	REMARKS.
Mon. 29..	191	.....	5.30	2935 Dillon st.	Mrs. Stevenson.	Printing office and dwelling.	.....	.....	Two-story brick	Loss, $——. Recall 6.06 p.m.: heat from coal oil stove.
Tues. 30..	393	7.25	.....	106 Elm ave., Annex.	John H. Douglas	Dwelling.	.....	9	Two-story mansard brick.	Loss, $——. Recall 7.50 a.m.: burning chimney.
Tues. 30..	242	.....	4.12	S. E. cor. Monument st. and Harford ave.	Edward Onion.	Office and warehouse.	6	5	Five-story brick	Loss, $——. Recall 4.35 p.m.: heat from open fire.
December.										
Wed. 1..	525	12.54	.....	32 W. Pratt st.	Herbert A. Rhodes.	Warehouse.	1, 2, 4, 10, 15	2, 4	Three-story iron front.	Loss, $——. Recall 3.34 a.m.: unknown.
Thur. 2..	354	7.15	.....	126 W. Lanvale st.	Mrs. Jos. W. Brown.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 7.29 a.m.: lighted candle.
Thur. 2..	423	11.04	.....	640 Cider alley.	Miss Hattie Smith.	Dwelling.	.....	2	Two-story brick	Loss, $——. Recall 11.19 a.m.: sparks from chimney.
Thur. 2..	356	11.49	....	1721 Bolton st.	Mrs. Anne Hamilton.	Dwelling.	13	10	Three-story stone.	Loss, $——. Recall 12.20 p.m.: upsetting fire pot used for heating tar.
Thur. 2..	62	.....	1.57	1112 Hasselberger court.	Elizabeth Hines	Shed.	12	6	One-story frame	Loss, $——. Recall 2.30 p.m.: unknown
Thur. 2..	13	.....	5.17	212 Mill st.	H. Haukins.	Cooper shop.	3, 6	3	Two-story brick	Loss, $——. Recall 5.33 p.m.: sparks from open fire.

Thur.	2..	525	.....	7.08	106 Hanover st.	A. Pollock & Co.	Mfg. hats and caps.	2, 15	2	Three-story brick.	Loss, $——. Recall 7.42 p.m.; unknown
Fri.	3..	541	.....	10.59	802 S. Eutaw st.	Columbus Gordon.	Stable.	2, 10, 15	6	One-story frame	Loss, $——. Recall 12.34 a.m., Dec. 4; unknown.
Sat.	4..	524	5.15	.....	516 Light st.	James Walker.	Stable.	2, 4	6	One-story brick.	Loss, $——. Recall 6.10 a.m.; unknown
Sat.	4..	236	6.14	....	125 North Duncan alley.	Frank Cook.	Dwelling.	.....	3	Two-story brick	Loss, $——. Recall 6.28 a.m.: sparks from match.
Sat.	4..	284	.....	10.23	Annex.	.....	.....	.....	.....	.....	Loss, none. Recall 10.31 p.m.: false alarm.
Sun. 2d alarm.	5..	137	.....	6.49 6.56	608 W. Pratt st.	Broderick Bros.	Storage house.	1, 2, 3, 4, 6, 7, 8, 10, 15	2,4,6	Four-story brick	Loss, $——. Recall 10.32 p.m.; unknown.
Sun.	5..	Special.	... .	9.45	1719 Clarkson st.	Mollie Williams.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Extinguished by Officer Hayes, of the Southern District; investigated by Assistant Tillerman Bramble of No. 6 H. & L. Co.
Mon.	6..	433	4.56	.....	702 Calhoun st.	Mrs. S. E. Gable.	Dry Goods Store and Dwelling.	.....	10	Three-story brick.	Loss, $——. Recall 5.18 a.m.; unknown.
Mon.	6..	412	7.40	.....	22 Hanover st.	Benson & Co.	Paper Warehouse.	1, 2, 4, 7 15	1, 2	Five-story brick.	Loss, $——. Recall 8.32 a.m.; unknown.
Mon.	6..	235	1.57	.....	2224 E. Monument street.	Nicholas Poehlman.	Stable.	9	.....	Two-story brick.	Loss, $——. Recall 11.29 a.m.; children playing with matches.

Date.	Box.	Hour A. M	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Mon. 6..	157	.....	10.07	1503 Nelson court.	James Zelinker.	Dwelling.	3	3	Two-story and attic brick.	Loss, $——. Recall 10.40 p. m.; sparks from stove.
Mon. 6..	182	.....	11.25	Foot of Abbott's Wharf.	M. W. Adams.	Tugboat.	.....	3	.....	Loss, $——. Recall 1.07 a.m. Dec. 7; heat from boiler.
Tues. 7..	163	.....	7.20	221 E. Baltimore street.	Napoleon Wolford.	Dwelling.	.....	3	Three-story brick.	Loss, $——. Recall 7.40 p.m.; lighted gas jet ignited curtain.
Wed. 8..	349	11.39	.....	S. E. cor. Charles street and Huntingdon avenue, Annex.	Baltimore City.	Primary school.	18 3 Chem.	.....	Two-story brick.	Loss, $——. Recall 11.59 a.m.; defective hot air pipe.
Wed. 8..	181	.....	7.09	1214 Canton ave.	Joseph Grodack.	Dwelling.	.....	.....	Two-story brick.	Loss, $——. Recall 7.27 p.m.; lighted candle set fire to mantle cover.
Wed. 8..	174	.....	7.13	113 S. Chester st.	Frederick Rembold.	Dwelling.	3	.....	Three-story brick.	Loss, $——. Recall 7.29 p.m.; lighted gas jet ignited curtain.
Thurs. 9..	287	.....	7.24	Frisby street near Brady avenue, Annex.	Charles W. Kraemer.	Out-house.	.....	.....	One-story frame	Loss, $——. Recall 7.41 p.m.; careless handling of matches.

Fri.	10..	264	.....	10.01	710 N. Caroline st.	Edward Richards.	Plumbing store and dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 10.10 p.m.; heat from hanging coal-oil lamp.
Sat.	11..	155	.....	6.45	218 S. Caroline st.	Annie J. Bedford	Dwelling.	.....	.....	Two-story and attic brick.	Loss, $——. Recall 6.50 p.m.; leaking gasoline stove.
Sat.	11..	188	.....	7.46	3030 Boston street.	Geo. Kurlusky.	Saloon and dwelling.	....	3	Three-story brick.	Loss, $——. Recall 8.10 p. m.; sparks from match.
Sun.	12..	124	9.35	.....	McClure's Dock, rear of 217 Smith street.	Chesapeake Towing and Lighterage Co.	House barge.	3, 4	1	Wooden.	Loss, $——. Recall 10.17 a. m.; overheated stove.
Sun.	12..	26	.....	6.34	28 North Gay st.	John Gregor.	Grocery store and dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 6.48 p. m.; back draft.
Mon.	13..	167	.....	4.47	423 and 425 South Broadway.	Louis Rosenstine.	Shoe store and dwelling.	.....	3	Three-story brick.	Loss, $——. Recall 5.16 p.m.; electric wire.
Tues.	14..	24	12.24	.....	507 North Gay st.	Ferdinand Lazarus.	Dry goods store.	6	1	Three-story brick.	Loss, $——. Recall 12.44 a. m. unknown.
Tues.	14..	365	10.06	.....	920 Pennsylvania avenue.	Standard Bakery	Bakery.	.....	4	Three-story brick.	Loss, $——. Recall 10.20 a.m.; electric converter.
Tues.	14..	31	.....	6.20	352 Davis street.	Philip H. Klug.	Shoeing forge and office.	4, 6	1	Two-story brick.	Loss, $——. Recall 5.43 p. m.; unknown.
Tues.	14..	44	.....	7.41	217 E. Fayette st.	August Schaffer.	Tailor store.	4	1	Three-story basement brick.	Loss, $——. Recall 7.55 p.m.; unknown.
Wed.	15..	154	12.10	.....	N. E. cor. of Block and Mill sts.	Jesse Tyson.	Acid and chrome w'ks	.....	3	One-story brick.	Loss, $——. Recall 12.41 a.m.; heat from stack.

Date.	Box	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Wed. 15..	296	12.32	.....	2720 Mortin alley, Annex.	Unoccupied.	Dwelling.	18, Chem. 3, 4	7	Two-story frame	Loss, $——. Recall 1.22 a.m.; incendiary.
Wed. 15..	348	.....	10.16	.....	.....	.....	.....	.....	.....	Loss, none. Recall 10.29 p.m.; false alarm.
Thur. 16..	417	.....	3.02	225 N. Green st.	John Goldwine.	Dwelling.	.....	2	Three-story brick.	Loss, $——. Recall 3.14 p.m.; overheated stove.
Thur. 16..	357	.....	5.59	206 Biddle st.	Kizah Cauly.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 6.08 p.m.; smoke from window.
Fri. 17..	25	.....	6.25	730 Greenmount avenue.	Thomas Wooden	Dwelling.	.....	5	Three-story brick.	Loss, $——. Recall 6.38 p.m.; curtain ignited by lighted gas jet.
Sat. 18..	639	1.06	.....	Foot of Towson st	The W. Virginia Coal and Coke Co.	Shed.	16, 17	6	One-story frame	Loss, $——. Recall 1.56 a.m.; sparks from stove.
Sat. 18..	369	.....	1.51	1612 Bolton st.	Thos. Luskear.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 2.10 p.m.; alcohol taking fire from lighted lamp.
Sat. 18..	247	.....	8.47	1120 E. Monument street.	Cellert T. Smith.	Office and Dwelling.	6	.....	Three-story brick.	Loss, $——. Recall 8.57 p.m.; explosion of a coal-oil lamp.

Sun.	19..	322	10.26	.....	N. W. cor. Eutaw and Franklin sts	J. R. M. Adams.	Hardware store.	1, 7		2, 4	Three-story brick.	Loss, $——. Recall 11.14 a.m.; unknown.
Sun.	19..	336	10.30	.....	.....	.....	.....	.....		.....	.....	Loss, none. Recall 10.40 a.m.; box pulled for preceeding fire.
Mon.	20..	48	2.41	.....	216 Frederick av., Annex.	Peter Gross.	Store and dwelling.	14 Chem. 1		8, 10	Three-story brick.	Loss, $——. Recall 3.33 a.m.; mice gnawing at matches.
Mon.	20..	213	11.51	.....	219 N. High st.	Morris Swartz.	Grocery store and dwelling.	.....		1	Two-story and attic brick.	Loss, $——. Recall 12.02 p.m.; overheated stove.
Mon.	20..	357	.....	12.50	1128 Cathedral st.	Dr. Whitridge Williams.	Dwelling.	.....		.....	Three-story brick.	Loss, $——. Recall 1.05 p.m.; electric wire.
Mon.	20..	216	.....	4.09	1218 Orleans st.	Richard Hamilton.	Dwelling.	6		1	Two-story brick	Loss, $——. Recall 4.30 p.m.: unknown.
Mon.	20..	873	.....	4.40	N. E. cor. Howard & Saratoga sts.	Crook, Horner & Co.	Plumbers' supply house.	1, 2, 4, 6, 7, 8, 10, 13, 14, 15 W. T.	1, 2, 4, 6		Six-story brick.	Loss, $——. Recall 11.37 p. m.: unknown.
Automatic												
General	..	419		4.46								
2222				4.50								
Mon.	20..	262	.....	6.40	1600 Abbott street.	Frank Ruzicka.	Dwelling.	9		.....	Two-story brick	Loss, $——. Recall 7.05 p.m.; burning chimney.
Tues.	21..	235	3.51	.....	2423 E. Monument street.	John M. Beck.	Bakery and dwelling.	9		3	Two-story brick	Loss, $——. Recall 4.35 a.m.; defective oven.
Tues.	21..	425	4.38	.....	921 Booth street.	William Joyce.	Barrel factory	1, 8, 14		2	One-story frame	Loss, $——. Recall 6.11 a.m.: unknown.
					919 Booth street.	Robert Comegys	Dwelling.	.....		.....	Two-story-and-attic brick.	
					923 Booth street.	P. O'Grady.	Dwelling.	.....		.....	Two-story-and-attic brick.	

Date.	Box.	Hour A. M.	Hour P. M.	Locality	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service	Style of Building.	Remarks.
Tues. 21..	262	10.58	.....	1117 N. Broadway.	Dr. F. C. Street.	Office and dwelling.	9	.....	Three-story brick.	Loss, $——. Recall 11.08 a.m.; defective flue.
Tues. 21..	349	.....	2.53	2414 Hudson alley, Annex.	Spercey Smith.	Dwelling.	3 Chem.	.....	Two-story brick.	Loss, $——. Recall 3.15 p.m.; explosion of a bottle of coal oil.
Tues. 21..	454	.....	5.12	1045 Hopkins ave.	James Duncan.	Dwelling.	13	10	Three-story brick.	Loss, $——. Recall 5.33 p.m.; unknown.
Wed. 22..	393	9.19	.....	704 First avenue, Annex.	Philip Collins.	Dwelling.	.....	9	Two-story frame	Loss, $——. Recall 9.47 a.m.; burning chimney.
Wed. 22..	37	.....	6.22	1019 W. Lanvale street.	Confederate Mothers' and Widows' Home	Dwelling.	13	10	Three-story brick.	Loss, $——. Recall 7.15 p.m.; defective flue.
Wed. 22..	143	.....	10.19	1139 Granby st.	Isaac Feldman and others.	Tenement.	.....	.....	Three-story brick.	Loss, $——. Recall 10.32 p.m.; children playing with matches.
Wed. 22..	344	.....	10.40	905 Park ave.	Mrs. Burkett.	Dwelling.	7	4	Three-story and attic brick.	Loss, $——. Recall 11.29 p.m.; burning chimney.
Thur. 23..	Special.	.. ...	2.00	127 East Ostend st.	Louis Hyatt.	Dwelling.	.....	.....	Two-story brick	Loss, $——. Extinguished by Sergt. Flood, of Southern District. Investigated by Lieutenant Teal, of H. & L. Co. No. 6.

Thur.	23..	61	.....	9.05	624 Light street.	Benjamin Shain.	Dwelling.	.....	.....	Three-story brick.	Loss, none. Recall 9.15 p, m.; smoke from window.
Thur.	23..	456	.....	11.50	1046 W. Lexington street.	Jas E. Saunders.	Store and dwelling.	8, 14	10	Three-story brick.	Loss, $——. Recall 12.16 a.m.; explosion of a coal-oil lamp.
Fri.	24..	261	.....	1.04	1312 E. Eager st.	John F. Getz.	Saloon and dwelling.	.....	5	Three-story brick.	Loss, $——. Recall 1.27 p.m.; defective flue.
Sat.	25..	342	3.35	.....	Mt. Royal Station.	B. & O. R. R. Co.	Caboose car.	7	4	One-story frame.	Loss, $——. Recall 4.06 a.m.; overheated stove.
Sat.	25..	348	10.04	.....	1802 Guilford ave.	Mrs. Emma Hopper.	Grocery store.	Chem. 3	5	One-story brick.	Loss, $——. Recall 10.28 a.m.; defective flue.
Sat.	25..	492	11.15	.....	Garrison lane and B. & P. R. R., Annex.	George Hafer.	Chicken house	14, 20 Chem. 1	8, 10	One-story frame	Loss, $——. Recall 11.59 a.m.; sparks from locomotive.
Sat.	25..	181	.....	10.59	3003 O'Donnell st.	Louis Rosenberg	Dry goods store.	11	.....	One-story frame	Loss, $——. Recall 11.35 p.m.; unknown.
Sat.	25..	Special	.....	7.20	1023 N. Chappel st.	Jas. J. Tonaska.	Dwelling.	.....	.....	Two-story brick.	Loss, $——. Extinguished by Mrs. Jas. J. Tonaska, investigated by Capt. Macauley, of Engine Co. No. 9.
Sat.	25..	Special	.....	8.30	2320 Boston st.	Charles Miller.	Barber shop and tenement.	.....	.....	Three-story brick.	Loss, $——. Extinguished by Officer E. J. Kelly, of E. D., investigated by Capt. Lind, of Engine Co. No. 11.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service	H. & L. in Service	Style of Building.	Remarks.
Sun. 26..	Special	.....	2.25	2714 Pennsylvania ave., Annex.	M. Snyder.	Cigar store and dwelling.	.....	.....	Two-story brick.	Loss, $——. Extinguished by Mr. Snyder: defective flue.
Mon. 27..	175	7.57	.....	308 S. Collington avenue.	Jas. Patience.	Dwelling.	.....	.....	Three-story brick.	Loss, $——. Recall 8.06 a.m.: children playing with matches.
Mon. 27..	23	11.47	.....	205 Lewis st.	John Williams.	Dwelling.	3, 9	3	Three-story brick.	Loss, $——. Recall 12.20 p.m.: children playing with matches.
Mon. 27..	264	.....	5.32	132 N. Caroline st.	Chas. H. Vieweg.	Dwelling.	9	5	Three-story brick.	Loss, $——. Recall 5.53 p.m.: children playing with matches.
Mon. 27..	32	.....	6.25	321 St. Paul st.	Mrs. Lizzie Foote.	Dwelling.	1	.....	Four-story brick	Loss, $——. Recall 6.37 p.m.: Christmas. tree ignited by lighted candle.
Mon. 27..	38	.....	7.10	1925 Brunt st.	John T. Wade.	Dwelling.	.....	10	Three story brick.	Loss, $——. Recall 7.36 p.m.: burning chimney.
Tues. 28..	261	8.02	.....	1039 N. Central av	Hillarious Zentgraf.	Dwelling.	....	5	Three-story brick.	Loss, $——. Recall 8.16 a.m.: gasoline igniting from stove.

Tues.	28..	237	.....	5.47	508 N. Chappel st.	David Roppelt.	Dwelling.	....	.....	Three-story brick	Loss, $——. Recall 6.01 p.m.: overflow of oil on gasoline stove.
Tues.	28..	532	.....	7.52	624 Montgomery st	Robert Smith.	Dwelling.	.....	6	Two-story brick	Loss, $——. Recall 8.14 p. m.; spark from chimney.
Wed.	29..	Special.	10.30	.....	1900 Aisquith st.	Fanny Dreyer.	Dwelling.	.....		Two-story brick	Loss, $——. Extinguished by Miss Fanny Dreyer; leaking gasoline igniting. Inspected by Capt. Price, of Engine Company No. 19.
Thur.	30..	13	.....	5.16	812 East Pratt st.	Hiriam Krug.	Tenement house.	3, 4	1, 3	Three-story brick.	Loss, $——. Recall 5.11 p. m.: heat from stove.
Fri.	31..	413	12.56.	.....	112 to 124 W. Fayette street.	Oppenheimer, Oberndorff & Co.	Shirt Factory.	1, 15	1, 2	Five-story brick	Loss, $——. Recall 2.04 p. m.; unknown.
Fri.	31..	141	9.11	.....	Foot of President st., City Wharf.	Thos. Woolford.	Wrecking scow.	3	1	One-story frame	Loss, $——. Recall 9.51 a. m.: overheated stove.
Fri. 2d alarm.	31	543	10.39 10.43	.....	1232, 1234, 1236 William street.	John J. Fahey.	Livery stable.	1, 2, 10, 12 15, 17	2, 6	Two-story brick	Loss, $——. Recall 1.28 p. m.; unknown.
Fri.	31..	62	.....	12.58	1031 Light street.	Frank Eirich.	Furniture store and dwelling.	.....		Three-story brick.	Loss, $——. Recall 1.08 p. m.; unknown.

REPORT

OF THE

SUPERINTENDENT POLICE AND FIRE-ALARM TELEGRAPH.

1897.

REPORT.

To the Honorable the Board of Fire Commissioners of Baltimore:

The beginning of the year 1898, finds the Fire Alarm Department in first-class condition, better, perhaps, than it has been for a great many years, and in every respect far superior to what it was two years ago.

NEW OFFICE.

On the 18th of February last, I completed the transfer of wires, instruments, etc., from the old office on the ground floor of the City Hall, to the present quarters on the fourth floor. The entire change was made without a single mishap or a second's interruption to the system.

The new office is in every way preferable to the old, and the service afforded by the improvements and changes made, is in marked contrast to the service of the past. The substitution of storage battery for the old style gravity battery is a most important factor in connection with the present efficient service.

The storage battery furnishes a steady current at all times, with the result that the gongs in the various Engine and Truck Houses require practically no attention, at the same time makes them very reliable. With the gravity battery the gongs worked so imperfectly that the time of one man was spent almost entirely in adjusting gongs. While there is every argument in favor of storage battery, and none against, the annual saving in battery expense will be about $3,000, so that during the past year we have more than saved the expense of making the changes above referred to.

AERIAL CIRCUITS.

During the year the overhead lines have been thoroughly overhauled, which really amounted to a general rebuilding. All of the

slack has been taken out, a great many hand and hook joints cut out, and replaced with sleeve joints; the No. 16 and 18 wire (which was too light) used between the underground terminals and the aeriel lines, has been taken down, and No. 12 wire strung in its stead, and the lines perfectly insulated. New cross-arms securely braced have been put on where necessary, and about one hundred and fifty new poles put in where most needed. The result is that interruptions such as are caused by crossed and grounded wires have been reduced to the minimum. The average being about five per cent of what it originally was. Covered wire has been substituted for bare wire at nearly all points where our circuits cross trolley lines. The carbons have been removed from the various cable boxes, and the danger from crosses with wires carrying heavy currents which frequently destroy the boxes, has been almost entirely obviated.

GONGS TAKEN OFF OF BOX CIRCUITS.

A number of gongs connected on the box circuits have been taken off of these circuits and in a very short time, I expect to have the box circuits clear of everything, except fire-alarm boxes, for which they are intended.

UNDERGROUND.

The portion of the system underground has given entire satisfaction. During the year, trouble has appeared at three different places. In neither of these places however, was the trouble caused by deterioration of cables, or from causes which generally affect underground cables.

ALL BOXES IN THOROUGH WORKING ORDER.

To the best of my knowledge, not a single box, which had been properly pulled for a fire, failed to register during the entire year.

INSIDE WIRING OF ENGINE HOUSES.

I found the inside wiring of the engine and truck houses much the same, as the outside lines, in a very delapidated and neg-

lected condition. During the year the following houses have been rewired :

Engine Houses—Nos. 2, 5, 8, 9, 10, 12, 13, 14, 16, 18, 19.

Truck Houses—Nos. 1, 5, 6, 10.

Chemical Houses—Nos. 1, 2, 4, 5, 6.

No. 16 safety wire was used instead of the cotton covered office wire.

New swinging telephone stands have been put in the following engine houses :

Nos. 5, 8, 12, 13.

Truck Houses—Nos. 1, 5.

NEW STYLE OF DOORS.

Quite a number of the new style of doors have been put on the boxes and others are being added as rapidly as possible. The attached sketch shows the plan of the door. That it is an improvement goes without saying.

NO. 21 ENGINE HOUSE.

No. 21 Engine House has been fully equipped with gongs, etc., and connected with the alarm telephone and other necessary circuits.

UNDERGROUND EXTENDED TO NO. 16 ENGINE HOUSE.

When the underground system was put in it was extended to within about 250 feet of No. 16 Engine House; a cable pole put up, and the wires strung overhead from the cable pole to the engine house. This stretch of overhead wire was subject to trouble from different causes. I continued the cable into the engine house, removed the cable pole and overhead wires, making that section absolutely safe against overhead interferences.

FIRE-BOAT "CATARACT."

The fire-boat "Cataract" has been connected with the alarm and independent circuits, so that all alarms and calls are received aboard the boat, when at quarters.

WATER BOARD AND HEALTH DEPARTMENT LINES.

The Water Board lines to the different reservoirs, as well as the Health Department lines to Bayview and Quarantine have been put in good condition and are giving satisfactory service.

SPEED OF BOXES INCREASED.

The speed of all boxes that would permit, has been increased. At present a box records in the Central Office in about half the time required prior to the change.

NEW BOXES PUT IN.

During the year, eleven new fire alarm-boxes have been added to the system.

Located as follows:

225—German Orphan Asylum, Aisquith street, near Orleans street.*
369—Wilson street and Linden avenue.
467—Augusta avenue and Frederick road.
468—Culvert street and Old Frederick road.
469—Dorsey and Lohrs lane.
494—Slingluff lane and North avenue.
571—Old Windsor Mill road and Liberty road.
572—Forest avenue and Liberty road.
573—Windsor Heights.
628—B. & O. Elevators, Locust point.*
72—Huntingdon avenue and Guilford avenue.

*Private box.

Private box 249, was taken out of the Crown Cork and Seal Company's factory, on Monument streeet; the number changed to 379, and located in their works, Guilford avenue and Girard avenue.

DEATH.

On the 12 of August last, Operator Thomas J. Cole, died of pneumonia, after a short illness. He was appointed as an operator, March 11, 1896. He took a decided interest in the details of the department, and became very proficient. In his death, the department lost one of its most efficient operators.

RE-ARRANGEMENT OF UNDERGROUND CIRCUITS.

During the coming year I expect to give special attention to a more complete interlacing of the underground circuits, and as far as possible separate the overhead wires from those underground. At present only four (4) out of a total of thirty box circuits are all underground. The result is that a box or a number of boxes in an important down-town district may be thrown out of service by some defect in the overhead wire at Arlington, Bayview, Long Bridge or some other point in the suburbs.

RECOMMENDATIONS.

In my last report, I recommended the purchase of a new manual repeater, which is badly needed. A change in the telephone system, and an additional one hundred fire-alarm boxes. As none of the recommendations were fruitful, I again recommend as above.

APPROPRIATION NECESSARY FOR 1898.

Salaries	$18,000 00
New Manual Repeater	3,000 00
Changing telephone lines	3,500 00
Material, extra labor, etc	6,500 00
" " " " Annex	1,000 00
	$32,000 00

EMPLOYES.

John J. McCoy	Operator.
Wm. H. Shuter	"
M. J. Dean	"
H. C. Martin	"
C. C. Prince	"
W. F. Gettrust	"
J. N. Smith	Chief lineman.
David Shaum	Lineman.
James W. Anderson	"
Thomas W. Glass	"
Robert Kain	"

Respectfully submitted.

LEONA LEMON, *Superintendent.*

BALTIMORE, MD., December 28, 1897.

THIRTY-EIGHTH ANNUAL REPORT

—OF THE—

COMMISSIONERS

—FOR—

OPENING STREETS

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS.

BALTIMORE, January 1, 1898.

To the Hororable the Mayor

and City Council of Baltimore:

GENTLEMEN:

We have the honor to submit to you a statement of the operations of this Department from January 1, 1897, to December 31, 1897, inclusive.

The following list comprises the streets, alleys, etc., condemned, opened and closed during the above stated time; also the amount of damages, expenses and benefits, and amount assessed to the Mayor and City Council for each any every street, etc.

Names of Streets, Etc.	No. Ord.	Approved.	Damages.	Expenses.	Benefits.	Amount on City.	Amount favor City
Opened.							
Port street, from Townsend street to North avenue	50	Mar. 27, 1896.	$10,271 32	$470 53	$2,815 18	$7,926 67	.....
Clement street, from Allen street to Hull street	163	Nov. 2, 1896.	8,083 40	438 96	6,306 51	2,215 85	.....
Chesapeake street, from Baltimore street to the Philadelphia road	127	July 27, 1896.	12,424 50	597 46	5,641 73	7,380 23	.....
Chase street, from Patterson Park avenue to Grove alley	114	May 3, 1893.	4,729 40	963 86	5,528 32	164 94	.....
Chesapeake street, from Fait avenue to Eastern avenue	126	July 27, 1896.	5 00	563 19	.....	568 19	.....
Patapsco street, from Baltimore street to Monument street	81	May 17, 1887.	.....	738 12	.....	738 12	.....
Port alley, from Aliceanna street to Lancaster street	86	May 18, 1887.	.....	480 73	.....	480 73	.....
Grove street, from Baltimore street to Fayette street	138	Sept. 18, 1896.	2,079 37	606 00	896 00	1,789 37	.....
Glover street, from Fayette street to Monument street	149	Oct. 21, 1896.	14,460 30	667 85	6,448 50	8,679 65	.....
Lanvale street, from Wolfe street to Washington street	130	May 8, 1893.	.....	381 55	.....	381 55	.....
Smallwood street, from Pratt street to Fayette street	179	May 22, 1893.	21,858 12	1,146 98	1,587 12	21,417 98	.....
Race street, from Barney street to Moale street	113	May 29, 1884.	21,047 39	1,168 63	11,218 14	10,997 88	.....
Baltimore street, from its western terminus to the western city limits	37	April 26, 1889.	34,552 86	2,522 71	12,655 37	24,420 23	.....

Chew street, from Chester street to Patterson Park avenue	88	April 20, 1893.	10,613 41	753 83	4,903 01	6,494 26	
An alley 10 feet wide, between Eden street and Spring street	97	Oct. 20, 1883.	552 50	422 45	378 50	596 45	
Beason street, from Decatur street to the property of H. A. Ramsay & Co.	93	Oct. 17, 1885.	2,114 85	529 51	2,676 50		$32 14
Stevenson street, from Fort avenue to Clement street	69	Sept. 14, 1897.	3,537 30	361 94	2,321 60	1,577 64	
Porter street, from Clagget street to Beason street	171	Oct. 27, 1890.	17,039 20	622 10	9,430 51	8,230 79	
Closed.							
Whitelock lane, between Francis street and North avenue	95	May 15, 1896.		301 13	301 13		
Gilmor's lane, between 27th street and 29th street	146	Oct. 13, 1896.	10 00	679 32	689 32		
Totals			$163,408 95	$14,416 88	$73,797 44	$104,060 53	$32 14

STREETS, ALLEYS, ETC., IN PROCESS OF OPENING.

NAMES OF STREETS.	No. Ord.	Approved.
Morton alley, from John street to Hoffman street.	96	May 25, 1882.
An alley ten (10) feet wide, from the north side of Orleans street to the south side of Jefferson street, between Central avenue and Eden street.	97	Oct. 20, 1883.
An alley nine (9) feet nine (9) inches wide, from the north side of Monument street to an alley ten (10) feet wide, between Eden street and Spring street	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the south side of Monument street to an alley ten (10) feet wide, now open, between Caroline street and Spring street	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the north side of Madison street to the south side of Chew street, between Caroline street and Dallas street	97	Oct. 20, 1883.
An alley twelve (12) feet wide in the centre of Kirby's (or Dorsey's lane, from Lanvale street to the Harlem Stage Company's property	33	April 3, 1884.
Henry street, from Clement street to Fifth lane.	77	May 14, 1885.
South Paca street, from Stockholm street to West street	23	April 6, 1887.
Elizabeth lane, from Randall street to Heath street	54	May 2, 1888.
Dallas street, from Oliver street to Hoffman street	115	Oct. 16, 1888.
Rope Walk lane, from Randall street to Heath street	36	Apr. 26, 1889.
Towson street, from Fort avenue to Marriott street	70	May 23, 1889.
Florence street, from Fulton avenue to Retreat street	99	June 8, 1889.
Francis street, from Retreat street to Whitelock street	101	June 8, 1889.
Morris, alley, from North avenue to Druid Hill Park	103	June 8, 1889.
Stoddard alley, from Mosher street to McMechen street	148	Oct. 9, 1889.
Nicholson street, from Decatur street to Cooksie street	161	Oct. 28, 1889.
Ridgely street, from Ostend street to Gwynn's Falls	77	May 8, 1891.
An alley ten (10) feet wide, from Second street to First sfreet, between Calvert street and Hargrove alley	111	June 4, 1891.
Wolfe street, from North avenue to Lake avenue.	123	June 16, 1891.
West street, from Paca street to Burgundy alley.	94	May 11, 1892.
An alley fifteen (15) feet wide, from Gold street to Bloom street	23	Mar. 6, 1893.

STREETS, ALLEYS, ETC., IN PROCESS OF OPENING—Cont'd.

Names of Streets.	No. Ord.	Approved.
Neighbor street, from McKim street to Greenmount avenue	106	May 28, 1894.
Windsor avenue, from North avenue to Clifton avenue	26	Mar. 20, 1894.
Canton avenue, from Cannon street to Luzerne street	67	May 15, 1895.
Maryland avenue, from Huntingdon avenue to Homewood avenue	167	Nov. 2, 1896.
Northwest street, from Fulton avenue to the west side of Payson street	65	July 22, 1897.
Hoffman street, from Bond street to Broadway	66	July 22, 1897.
Marshall street, from Beverlin street to West street	62	July 14, 1897.
Saint Paul street, to widen at its intersection with Hamilton street	68	Sept. 7, 1897.
Jefferson street, from Patapsco street to the westernmost outline of the burial ground of the Methodist Episcopal Church, East Baltimore Station	71	Sept. 20, 1897.

STREETS, ALLEYS, ETC., IN PROCESS OF CLOSING.

Point lane, from Ensor street to North avenue	84	May 23, 1882.
Kirby's (or Dorsey's) lane, from Lanvale street to the Harlem Stage Company's property	94	Oct. 20, 1883.
An alley from Madison street to an alley ten (10) feet wide between Eden street and Spring street	97	Oct. 20, 1883.
V alley, between Barre street and Welcome alley.	91	Oct. 8, 1885.
Kirby's (or Dorsey's) lane, excepting twelve (12) feet in the centre thereof, from the south side of the Harlem Stage Company's property to the south side of Winchester street	104	July 3, 1886.
Kirby's (or Dorsey's) lane, excepting twelve (12) feet in the centre thereof, from Lanvale street to the Harlem Stage Company's property	116	Sept. 17, 1886.
Butchers' lane, from Calhoun street to North avenue	61	May 2, 1888.
Fourth lane, from Hanover street to Light street.	22	Mar. 29, 1889.
Brown's lane, from Eden street to Caroline street.	111	June 10, 1889.
Truxton street, from Forrest street to Concord street	111	Oct. 17, 1892.
Clifton place, from Truxton street to Eager street	111	Oct. 17, 1892.
Grove street, from Truxton street to Eager street	111	Oct. 17, 1892.
Half Moon alley west of Chestnut street	96	May 25, 1891.
Comet street, from a 10-foot alley to a fence corner there situated	105	May 27, 1891.
An alley thirty-three (33) feet wide, from the York road to about one hundred and thirty-eight (138) feet south of Huntingdon avenue	25	Mar. 6, 1893.

This Board respectfully recommends the repeal of the following Ordinances:

Ordinance No 111, approved June 10, 1889, for the closing of Browns lane from Eden street to Caroline street, because the city has no legal right to close the same, the bed thereof being private property, under a decision of the Court of Appeals of Maryland;

Also, Ordinance No. 105, approved May 27, 1891, for the closing of Comet street, for the reason that to close this street as proposed in said ordinance would shut in improved private property, which has no other outlet;

Also, Ordinance No. 26, approved March 20, 1894, for the opening of Windsor avenue from North avenue to Clifton avenue, because a street has already been provided there by private agreement between the parties in interest without expense to the city;

Also, Ordinance No. 106, approved May 28, 1894, to condemn and open Neighbor street from McKim street to Greenmount avenue, because said ordinance is defective in that it does not definitely designate the points at which such opening shall be made;

Also, Ordinance No. 99, approved June 8, 1889, to condemn and open Florence street, 20 feet wide, from Fulton avenue to Retreat street, and re-enact the same to read 18 feet wide, for the reason that Florence street has been opened and paved 18 feet wide by the abutting property owners;

Also, Ordinance No. 101, approved June 8, 1889, to condemn and open Francis street, 66 feet wide, from Retreat street to Whitelock street, and re-enact the same to read 60 feet wide for the reason that Francis street from Retreat street to Fulton avenue has been opened as a 60-foot street and the portion of it proposed to be opened by this ordinance has been opened and improved as a 60-foot street by the owners of the abutting property.

Respectfully submitted.

HIRAM H. TAYLOR,
LOUIS HOFFMANN,
JAMES GLEN,
Commissioners.

CARL CASEY, *Clerk.*

ANNUAL REPORT

— OF —

INSPECTOR OF GAS AND ILLUMINATING OILS

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

OFFICE OF INSPECTOR OF GAS AND ILLUMINATING OILS,
CITY HALL.

BALTIMORE, January 1, 1898.

To the Honorable Mayor and City Council:

GENTLEMEN: In compliance with laws relating to the government of this office, I have given a written weekly statement in regard to the purity and number of samples of coal oil collected and tested, and investigation of accidents to lamps. Considering the large quantities of oil consumed by all classes of people, and frequently the carelessness with which many persons, possibly from familiarity, handle lamps, I have but forty-one accidents to report. All were of minor importance excepting two, and in both instances resulting fatally. The first, a young woman, in her night dress, desiring to pass into a second room, separated by a platform, upon which a lighted lamp was standing, stepped over it, her garments were ignited, she was fatally burned. The second, an aged colored woman, became entangled in some curtains while holding a lighted lamp, set fire to herself, and died from injuries received.

The following is a tabulated statement by months of accidents:

January, 1897	1
February, 1897	3
March, 1897	5
April, 1897	7
May, 1897	4
June, 1897	4
July, 1897	5
August, 1897	None.
September, 1897	5
October, 1897	1
November, 1897	1
December, 1897	5

A rigid investigation in each case showed that oil in use to be from four to six degrees above the legal standard for flashing, which is 120 degrees Fahrenheit's thermometer, therefore showing the high quality of oil as is now being furnished to the citizens of Baltimore. Four concerns were prosecuted for selling oil below the legal standard. I think possibly the oil was of legal standard and quality, but was mixed accidentally with gasoline, as the dealers used the same measure for retailing both fluids, I could use no discretion in the matter, as I had to pass judgment on the material I had collected.

The illuminating gas furnished by the Consolidated Gas Company still maintains its high standard, both as an illuminant and for its purity, being free of sulphur compounds and ammonia gas, showing the great care exercised in its perfection before passing into the mains.

The legal standard is that five cubic feet consumed in one hour should be equal to a standard sperm candle, burning at the rate of one hundred and twenty grains in the same time. These candles are prepared under the direction of the gas referees of London.

The following is a tabulated statement by months of the photometric values of the gas:

	Highest.	Lowest.	General Average.
January, 1897	35.00	28.20	30.95
February, 1897	29.20	26.52	27.66
March, 1897	29.73	26.72	28.20
April, 1897	28.20	25.70	27.04
May, 1897	28.70	28.60	28.65
June, 1897	31.98	28.20	29.71
July, 1897	28.65	26.13	27.17
August, 1897	29.60	26.76	27.85
September, 1897	31.70	26.17	29.39
October, 1897	29.22	28.13	28.67
November, 1897	27.80	27.28	27.46
December, 1897	29.30	24.80	27.77

ACETYLENE GAS.

Since the discovery of the production on a commercial scale of the production of Calcium Carbide, by the electric furnace, and its decomposition through agency of water producing Acetylene, which is a constituent in small quantities of ordinary illuminating gas, an attempt has been made to have this high illuminant served to gas consumers, in this and other countries, but up to this time has not met with the success that its promoters have wished for it. The reasons are, that under certain conditions it is highly explosive, some sad accidents have occurred to investigators in their efforts for the best means of putting it on the market. When liquified in steel cylinders under high pressure, sometimes a jar, or opening a valve, will cause an explosion, being the dissociation of hydrogen and carbon, its two constituents. It is readily decomposed with violence, in the presence of some metals and their oxides, notably metallic copper and its salts.

In the last few days two serious explosions have occurred, one at the Postoffice at Wilmington, Delaware. There is no report of fatality there, but in Jersey City, at the remote southern section, a factory that prepared this gas, was absolutely destroyed, life was lost, fortunately few; if, at another time, when the full complement of hands were performing their duties, forty or more would have been hurled into eternity. The surrounding country was shaken as by an earthquake. It is impossible to conceive the violence of an explosion where a gas is pumped into steel cylinders under a pressure of seven or eight hundred pounds to the square inch. Had the Jersey City explosion occurred in a thickly populated portion, the loss of life and property would have been appalling.

I feel that I would be derelict in my duty if I did not recommend that either State or city, or both, should pass strenuous laws relating to the introduction of these cylinders into general use. While it is dangerous in the hands of experts, it is more so in the hands of the laity. I would suggest that the city law officers should be consulted, and to speedily prepare an ordinance to regulate, if not prohibit its use, as such cylinders are in use in this city, an explosion is liable at any moment.

There is a determined opposition from the Fire Insurance Companies to its introduction into dwellings or factories. There are bicycle lamps innumerable, but none so perfect a construction but that the rider may at any moment be left without light, and become amenable to the law. I have seen some automatic apparatus, the pressure being balanced by the atmosphere. The matter is embryotic; all civilized countries are inundated with patents for its utilization. From information derived from foreign and domestic journals, I conclude that it is a dangerous toy.

Respectfully submitted.

P. B. WILSON,

Inspector of Gas and Illuminating Oils.

ANNUAL REPORT

—OF THE—

JUDGES OF THE APPEAL TAX COURT

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

APPEAL TAX COURT—CITY HALL,

BALTIMORE, January 10, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: We beg leave herewith to submit the result of the labor of this department for the year ending on the 31st day of December, 1897:

Tabular Statement "A" shows the taxable basis charged to the City Collector for the years 1894 to 1897, both inclusive, with the assessments added to each, and the collection and abatements on each.

Table "B" exhibits by wards the number of building permits issued during the year.

Table "C" the Assessors' report shows the number of new buildings and additional improvements assessed by the court's assessors, the ward in which they are severally located, and the detailed and aggregate valuation of the same.

TABLE A.

STATEMENT OF PROPERTY FOR EACH YEAR CHARGED TO THE CITY COLLECTOR, DECEMBER 31, 1897.

1894.

1897.		*Real.*	*Personal.*
Jan. 1.	To amount remaining uncollected.	$89,970	$293,080
Dec. 31.	" " new assessments.....	536,298	1,283,702
		$626,268	$1,576,782
1897.			
Jan. 31.	By abatements.....	$14,075	$85,224
Feb. 28.	" "	770	8,854
Mar. 31.	" "	900	246,133
April 30.	" "	.....	575,243
May 31.	" "	.....	208,258
June 30.	" "	2,551	59,187
July 31.	" "	.....	6,065
Aug. 31.	" "	.....	8,002
Sept. 27.	" "	.....	10,587
Oct. 31.	" "	969	1,800
Nov. 30.	" "	620	3,210
Dec. 31.	" "	.....	340
Dec. 31.	" amount collected.....	456,383	363,879
Dec. 31.	" " uncollected	150,000	.....
		$626,268	$1,576,782

1894—ANNEX.

1897.			
Jan. 1.	To amount remaining uncollected.	$275,613	$34,609
Dec. 31.	" " new assessments	.....	185,000
		$275,613	$219,609
1897.			
April 30.	By abatements.....	.....	$94,827
July 31.	" "	.....	83,236
Sept. 27.	" "	$3,050	1,525
Dec. 31.	" "	2,050	2,600
Dec. 31.	" amount collected.....	35,741	34,668
Dec. 31.	" " uncollected	234,772	2,653
		$275,613	$219,609

1895.

1897.		*Real.*	*Personal.*
Jan. 1.	To amount remaining uncollected.	$14,541,656	$3,756,197
July 31.	" " of new assessments....	938	29,939
Dec. 31.	" " " " "	800,000	400,000
		$15,342,594	$4,186,136

TABLE A—Continued.

1897.		*Real.*	*Personal.*
Jan. 31.	By abatements	$2,892	$253,084
Feb. 28.	" "	770	74,947
Mar. 31.	" "	3,300	449,365
April 30.	" "	.....	1,016,702
May 31.	" "	.....	555,570
June 30.	" "	2,901	244,600
July 31.	" "	.....	62,707
Aug. 31.	" "	1,041	54,834
Sept. 27.	" "	2,500	29,392
Oct. 31.	" "	4,548	28,103
Nov. 30.	" "	10,245	3,869
Dec. 31.	" "	2,673	17,597
Dec. 31.	" amount collected	14,369,547	1,282,447
Dec. 31.	" " uncollected	942,177	112,919
		$15,342,594	$4,186,136

1895—Annex.

1897.			
Jan. 1.	To amount remaining uncollected.	$1,673,607	$327,651
July 31.	" " of new assessments	3,420	102,295
Dec. 31.	" " " " "	.....	100,000
		$1,677,027	$529,946
1897.			
April 30.	By abatements	$2,125	$103,396
July 31.	" "	1,400	143,771
Sept. 27.	" "	10,050	6,620
Dec. 31.	" "	2,056	7,675
Dec. 31.	" amount collected	1,326,394	190,628
Dec. 31.	" " uncollected	335,008	77,856
		$1,677,027	$529,946

1896.

1897.		*Real.*	*Personal.*
Jan. 1.	To amount remaining uncollected.	$72,158,879	$12,301,850
July 31.	" " new assessments	16,788	977,836
Dec. 31.	" " " "	.....	63,048
		$72,175,667	$13,342,734

TABLE A—Continued.

1897.		*Real.*	*Personal.*
Jan. 31.	By abatements	$63,911	$419,564
Feb. 28.	" "	1,870	79,613
Mar. 31.	" "	3,425	464,187
Apr. 30.	" "	2,200	704,461
May 31.	" "	.....	590,295
June 30.	" "	34,654	235,538
July 31.	" "	9,200	72,784
Aug. 31.	" "	6,341	57,089
Sept. 27.	" "	6,940	28,233
Oct. 31.	" "	27,428	27,736
Nov. 30.	" "	23,172	28,744
Dec. 31.	" "	4,416	362,242
Dec. 31.	" " plant	.....	1,207,630
Dec. 31.	" amount collected	57,719,881	7,961,379
Dec. 31.	" " uncollected	14,272,229	1,103,239
		$72,175,667	$13,342,734

1896—Annex.

1897.			
Jan. 1.	To amount remaining uncollected	$9,966,331	$588,921
July 31.	" " new assessments	3,450	147,466
Dec. 31.	" " " "	2,000	314,075
		$9,971,781	$1,050,462

1897.			
April 30.	By abatements	$245,062	$117,972
May 31.	" "	.....	52,306
July 31.	" "	5,750	74,026
Sept. 27.	" "	10,250	6,820
Dec. 31.	" "	8,785	12,140
Dec. 31.	" " plant	.....	57,000
Dec. 31.	" amount collected	7,699,136	620,892
Dec. 31.	" " uncollected	2,002,798	109,306
		$9,971,781	$1,050,462

TABLE A—Concluded.

1897.		*Real.*	*Personal.*	*Securities.*
July 31.	To amount of assessments	$205,539,532	$32,704,303	$52,255,586
July 31.	To amount of new assessments	362,823	697,289	181,931
Dec. 31.	To amount of judgments City Court	.....	63,325*	.....
Dec. 31.	To amount of judgments Superior Court	.....	146,834	.....
Dec. 31.	To amount of judgments Court of Common Pleas	.....	20,737	.....
Dec. 31.	To amount of new assessments	29,325	97,964	3,912,067
Dec. 31.	To amount of incorporated companies	.....	28,110,761	.....
		$205,931,680	$61,841,213	$56,349,584
1897.				
July 31.	By abatements	$ 79,611	$ 24,686	$ 243,341
Aug. 31.	" "	4,500		
Oct. 31.	" "	44,150	1,603	14,199
Nov. 30.	" "	122,955	81,257	266,875
Dec. 31.	" "	236,977	119,564	438,658
Dec. 31.	" amount collected	148,181,127	39,436,657	43,992,283
Dec. 31.	" " uncollected	57,262,360	22,177,446	11,394,228
		$205,931,680	$61,841,213	$56,349,584
1897.		1897—Annex.		
July 31.	To amount of assessment of 1896 remaining as part of basis for 1897	$26,035,678	$2,073,632	.....
July 31.	To amount new assessments	1,934,410	193,105	.....
July 31.	To amount new assessments	.....		$6,448,209
Dec. 31.	To amount new assessments	53,325	1,673,001	2,175
Dec. 31.	To amount incorporated companies	.....	4,272,811	.....
		$28,023,413	$8,212,549	$6,450,384
1897.				
July 31.	By abatements	$15,750	$116,931	$21,070
Sept. 27.	" "	10,250	6,820	.....
Oct. 31.	" "	200	109,530	.....
Nov. 30.	" "	20,670	15,557	17,060
Dec. 31.	" "	7,400	173,404	159,176
Dec. 31.	By amount collected	17,603,149	4,267,125	4,899,008
Dec. 31.	" " uncollected	10,365,994	3,523,182	1,354,070
		$28,023,413	$8,212,549	$6,450,384

RECAPITULATION.

AMOUNT FOR DIFFERENT YEARS THAT IS CHARGED TO THE CITY COLLECTOR, JANUARY 1, 1898.

1894—Real		$150,000
1895—Real	$942,177	
Personal	112,919	
		1,055,096
1896—Real	$14,272,229	
Personal	1,103,239	
		15,375,468
1897—Real	$57,262,360	
Personal	22,177,446	
Securities	11,394,228	
		90,834,034
		$107,414,598
Less amount of plant, 1897		1,688,105
		$105,726,493
Amount of plant of incorporated companies exempt		$2,887,713

ANNEX.

1894—Real	$234,772	
Personal	2,653	
		$237,425
1895—Real	$335,008	
Personal	77,856	
		412,864
1896—Real	$2,002,798	
Personal	109,306	
		2,112,104
1897—Real	$10,365,994	
Personal	3,523,182	
Securities	1,354,070	
		15,243,246
		$18,005,639
Less amount of plant, 1897		119,700
		$17,885,939

TABLE B.

THE NUMBER OF PERMITS ISSUED FROM JANUARY 1, 1897, TO DECEMBER 31, 1897, FOR NEW BUILDINGS AND IMPROVEMENTS WERE:

Wards.	*New Improvements.*	*Additional Improvements.*	*Total.*
1	62	43	105
2	9	30	39
3	5	23	28
4	7	21	28
5	19	19	38
6	262	34	296
7	114	34	148
8	103	31	134
9	11	48	59
10	16	17	33
11	12	20	32
12	40	30	70
13	5	14	19
14	2	20	22
15	6	27	33
16	4	17	21
17	212	40	252
18	121	40	161
19	279	19	298
20	91	21	112
	1,380	548	1,928
21	800	50	850
22	668	41	709
	1,468	91	1,559

BALTIMORE, January 1, 1898.

To the Honorable the Judges of the Appeal Tax Court:

GENTLEMEN: I most respectfully submit the following as my report for the year ending December 31, 1897, of the number of new and additional improvements, the several wards in which they are located, and assessed value of the same:

Wards.	*New Improvements.*	*Additional Improvements.*	*Value.*
1	68	12	$72,050
2	19	16	11,600
3	7	10	8,100
4	14	19	16,100
5	16	17	34,750
6	294	37	255,200
7	126	30	134,550
8	81	28	138,400
9	18	29	194,150
10	6	12	62,100
11	26	9	42,100
12	72	21	397,750
13	9	7	92,900
14	2	10	2,850
15	8	10	10,700
16	7	11	16,750
17	179	38	154,600
18	143	20	101,000
19	177	12	206,350
20	175	24	187,000
	1,437	402	$2,142,000

$884,300 of the above in basis of 1897.

Very respectfully,

CHAS. L. GEMUNDT,

Assessor of New Property.

CITY HALL,

BALTIMORE, December 31, 1897.

To the Honorable the Judges of the Appeal Tax Court:

GENTLEMEN: I most respectfully submit the following as my report for the year ending December 31, 1897, of the new and additional improvements in the Twenty-first and Twenty-second Wards, and their values as assessed by the undersigned is respectfully submitted as follows:

Wards.	*New Improvements.*	*Additional Improvements.*	*Value.*
21	562	21	$935,735 00
22	724	29	880,185 00
	1,286	50	$1,815,920 00

Included in the above amount is $622,125, which went in the basis of 1897.

Respectfully,

THOS. E. THOMPSON,

Assessor for Twenty-first and Twenty-second Wards.

PLANT.

The exemption from city taxes for plant in 1897, aggregate a total of $1,688,105 to individuals, and exemption to incorporated companies, $2,887,713; total, $4,575,818; City Annexd, $119,700.

REFUNDS.

From January 1st, 1897, to December 31st, 1897, there have been fifty-nine (59) orders for refunding of taxes, given generally to parties who have been paid in error, either as double payment or on wrong property, or have paid on old improvements torn down as well as on the new improvements.

TRANSFERS.

From July 12th, 1897, to December 31st, 1897, there have been three thousand eight hundred and thirteen (3,813) transfers of property in the city, and one thousand three hundred and eighty-four (1,384) in the City Annex. Total, 5,197.

REASSESSMENT.

The late reassessment of property proved to be quite an expensive affair to Baltimore City.

The Act gave but little power or authority to this court, but made it the duty of the State Tax Commissioner to "supervise strictly the conduct and proceedings of the Assessors and Board of Control and Review." It was, nevertheless, the effort of this court to serve the interest of the city and State, by expediting the assessment, and along this line it promptly responded to every request for assistance, so frequently made by those in charge of the work.

The apportionment by law, of the wards of the city among the several Boards of Control and Review, caused a very unequal distribution of the property, and of the work performed by the said boards, resulting in irregularity in the time of completing the assessment. The expense has been heavier than was anticipated, but it must be remembered, that nearly a generation had passed since the State had performed that duty to its citizens, and the

work was necessarily entrusted to inexperienced hands; and also. that about one-half of the property of the State, is located in Baltimore City, and must all pass through the hands of the assessor into the jurisdiction of this court. About 35,000 more houses and 25,000 more individual accounts were placed upon the books by the reassessment than were recorded in 1876.

BIENNIAL ASSESSMENT.

Section 192, of the Act of 1896, directs that the Appeal Tax Court of Baltimore City, shall "biennially revise the assessments and valuations in the City of Baltimore," and "shall have the power to value and assess all personal property," and to "revise all valuations of real estate, and to lower or increase the same." "Said court shall also require a biennial listing to be made by all persons within its jurisdiction, of all personal property, etc.," "as provided for in Sections 173 and 174 of said act."

The Mayor and City Council of Baltimore are to "provide the necessary assessors and clerical force which may be required in the performance of said biennial listing of personal property," and the "police force are to distribute the schedules."

It is thought that 25 or 30 competent assessors could complete the work in a thorough manner in time for the levy of 1899, and it is fortunate that experienced persons, who took part in the assessment of 1896 and 1897, are now available for the service.

Experience with the recent assessment has convinced this court that the proposed biennial assessment will correct numerous errors, and will place upon the tax books many thousands of dollars now escaping taxation.

JUDGMENTS.

A statute of the State requires the clerks of the city courts to report all judgments docketed by them to the Appeal Tax Court for assessment, for which duty they receive a fee from the city; experience has shown that but little revenue is derived from this source, as the great bulk of these judgments prove to be worthless, and are therefore not taxable; the remaining few, are gener-

ally collected within a short period after they are obtained, and on that account usually escape taxation.

This mass of paper assets, yielding no revenue, standing upon the tax books, to that extent creates a false basis, which is ever to be avoided. In addition thereto, the law of 1896 exempts book accounts from taxation; and as judgments are generally based upon book accounts, to be consistent, the law should also exempt them.

We therefore recommend that the General Assembly now in session be requested to repeal the statute requiring judgments to be assessed.

SECURITIES.

The question of taxing intangible property, commonly known as securities, has agitated every commonwealth in this country, and various and vigorous attempts have been made in the different States to compel such property to assist the tangible in bearing the burthen of taxation; but generally such efforts have met with but partial success.

Under the reassessment act of 1896, securities that are under the jurisdiction of this court are taxed for local purposes thirty cents upon the one hundred dollars of their actual market value. The law further stipulates that such securities as have paid no interest or dividends, shall not be assessed at all. This privilege, a species of income tax, is extended to no other class of property owned by our citizens, and in connection with the low tax rate imposed, it was hoped that a large amount of securities would be revealed, and for the first time be placed upon the tax books. Some bankers estimated that the amount thus revealed would reach $150,000,000 or $200,000,000. This estimate has proven to be utterly at fault. The Boards of Control and Review returned securities valued at $58,703,795, assessing the bulk of them at par, and there has been added since by this court $4,096,173, making a total of $62,799,968. Under the provisions of the law, this court has been obliged to exempt from taxation such as were unproductive, and to reduce the assessment of others to their actual market value. For these reasons large abatements have been made, and it is estimated that but $55,000,000 of taxable securities will finally remain upon the books.

At the present 30 cent rate, these securities will produce a revenue of $165,000. Under the old law, at the $2.00 rate, the revenue derived from the same source is estimated to have been $120,000, leaving a balance in favor of the new law of but $45,000. This court is of the opinion that the large financial and trust companies have generally complied with the provisions of the law, and have faithfully listed their holdings. It is to be feared, however, that many of our citizens are not sufficiently educated in that direction; otherwise, Baltimore is much poorer in such investments than financiers have thought, and has less of it to be "driven away" by taxation than has heretofore been supposed. Upon a basis of about $6,000,000 of securieties in 1896, the State received a revenue of $10,650. Upon the new basis of $55,000,000 in 1897, the State will receive $97,625; a gain of $86,975 from Baltimore City alone, or over 800 per cent.

This wide difference in the increase of revenue derived from securieties under the new law, by the State, and the City of Baltimore and counties, respectively, arises from the fact, that the law of 1896 by prescribing a thirty cent rate upon securieties, established a great reduction in the local rate upon them in the city and counties; but for the State itself, the old rate of 17¾ cents was retained. This retention by the State of the old rate under the circumstances is scarcely defensible; for if the public good requires that a low rate of tax shall be extended to securities, in order to induce their holders to disclose them for taxation, in all equity the State should share in the reduction of tax thus contemplated. The justice of this is emphasized when we consider the flourishing condition of the State's finances, and the generally stringent condition of the treasuries of the counties and of the City of Baltimore. The State does not need an increase of revenue; the city and counties most assuredly do. We therefore recommend that the Legislature be requested to so modify the law of 1896, as to relinquish upon the part of the State, for the benefit of the counties and City of Baltimore, 10 cents of the 17¾ cents now levied for State purposes upon all securities. From the 7¾ cents tax that would still be retained upon securieties, the $55,000,000 of such property now on the books in the City of Baltimore, the State would receive $42,625,

over four times as much as was received from the same source in 1896; and with the prospective large increase in the assessment of such securities (as we have heretofore indicated) almost sure to take place, the State will receive a further very important addition to its revenue.

Upon the whole, this court would advise that the present discrimination by law in favor of securities be continued, believing that the results already obtained justify its being adopted as the settled policy of the State.

The financial condition of this city, as set forth by the City Register and Comptroller, calls loudly upon each department of our government to search every quarter of the municipal camp for a remedy that will ward off impending ills.

The dwellings and homes of our city are loaded with a heavy tax rate, in excess of their present productive capacity and ability to pay, and there is an almost general movement in the old twenty wards to escape from the burthen, by disposing of said property at ruinously low rates. This situation is deplorable, and must be viewed with exceeding regret; for no country or city can long prosper where the conditions are such that its inhabitants hesitate, or refuse to invest their savings in homes of their own. For the relief of the real estate interest of Baltimore, the law-making power should seek and exhaust every other source of revenue, and this should be supplemented by rigid economy in every branch of the city government until a more favorable condition shall be attained.

In conclusion, it is fully realized that the public has a right to expect the faithful application, and vigorous execution of the revenue laws, without fear or favor, by the Appeal Tax Court, the reservoir for and channel through which flow all municipal resources.

Respectfully submitted.

THOMAS H. KING,
T. BURLING HULL,
JOHN F. LANGHAMMER.

THOMAS K. MCCORMICK, *Clerk.*
BENJAMIN F. WOELPER, JR., *Assistant Clerk.*

ANNUAL REPORT

—OF THE—

CITY COMMISSIONER

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

CITY COMMISSIONER'S OFFICE,
BALTIMORE, January 1, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: Herewith I have the honor to submit report of the doings of this department for the fiscal year ending December 31, 1897, with the reports of the officials in charge of the subdivisions of the department, and tabulated statements of the expenditures, etc., to which reference is made. All the subordinates in the department have labored faithfully and honestly in the discharge of the duties assigned them, and we can point with pride to the quality, as well as the quantity, of the work done, with the assurance that a full day's labor has, in every instance, been given for a day's pay.

There is no deficiency in this department, but on the contrary, in almost every case, where a certain appropriation was made for a specific piece of work, we are able to report a good, and in some instances, a large balance. (See report on sewers).

The city was divided into two districts to facilitate the work on streets, and Assistant City Commissioners O. W. Connet and Charles A. Hook placed in charge of the Eastern and Western Districts, respectively; whilst Newton M. Gray, Assistant City Commissioner, was given charge of sewers. Their reports will indicate the character and scope of their work.

The demand for a better and improved system of street paving is rapidly increasing, and the time has come when no more cobblestone pavements should be laid. Baltimore has the reputation of having more miles of this character of pavement than any city in the United States. The question of better and smoother pavements is being investigated and discussed, very generally, throughout the country. Belgian blocks, asphalt in various forms, and

vitrified brick have the lead. For very heavy traffic the former seems to be the most popular. Sheet asphaltum is being very largely used, and vitrified brick seems to be gaining friends rapidly. After a full investigation, I am convinced that all improved pavement should be laid upon a concrete base of not less than six inches. During the past summer, Patterson avenue from Fremont avenue to Fulton avenue, was paved with asphalt blocks laid upon a six-inch concrete base, being the first pavement, other than sheet asphalt, laid in this way. The expense was no greater than for the same material laid on sand in the past. Park avenue, from Reservoir street to Newington avenue was laid under the provision of Ordinance No 56, approved July 2, 1897, with vitrified brick, laid "herring-bone," on a concrete base, at an expense less than any improved pavement heretofore laid, being $1.7357 per square yard, including grading. Had the brick been laid at right angles with the street instead of "herring-bone" the expense of laying would have been much less. I am fully convinced that a good quality of "shale" vitrified brick, properly laid, will make an economical and perfectly satisfactory pavement. In Cincinnati, the law prohibits the use of any material save vitrified brick for paving alleys. In cost, vitrified brick ranks third, Belgian block and asphalt being greater. A writer in "Municipal Government" says: "In freedom from dust, healthfulness and ease of traction, brick easily takes first rank; and of the three durable pavements, stone, asphalt or brick, the latter stands first for giving foothold for horses." It has been clearly demonstrated that in cost of maintenance nothing equals brick." George M. Slocum, City Engineer, Springfield, Mass, says: "Our experience with paving material has been confined to brick and granite blocks. We are better bleased with brick than other material." J. Blanding, City Engineer, Galesburg, Ill., says: "Our city has no experience with pavements other than those of brick. Brick pavement has given satisfaction because it is economical and durable." Horace Andrews, City Engineer, of Albany, N. Y., says: "The brick pavement is wearing very well. At the present time the brick pavemant is regarded with much favor; it is cheapest in first cost, gives a better foothold for horses on steep streets, and

above all, can be repaired if necessary, without calling on stock companies for assistance." C. A. Ellis, City Engineer, Kansas City, Mo., considers brick paving best and cheapest.

I would recommend a further trial of *vitrified brick.* The greater part of the brick paving done in the past in this city, was with a brick of a fire clay, much too soft for the purpose, instead of a genuine "shale" vitrified brick.

Sheet asphalt as a covering for worn-out pavements has been used in several cities with great satisfaction. New York City, Brooklyn and Germantown, Pa., have made satisfactory tests. I recently inspected several streets in Brooklyn, formerly cobble, that had been thus treated several years since, and as yet there are no signs whatever of disintegration. An article concerning the same question recently came under my observation, in which it was said that after a three years' test "under a heavy traffic" Maplewood avenue, Germantown, Pa., "was as good as when first laid" An experimental test might tend to solve the question of smooth pavements in Baltimore.

When, in December, 1896, I assumed control of this department, by reason of long neglect, a great number of the streets and alleys were found to be in very bad, and many in dangerous condition. In the levy of 1897, the sum of one hundred thousand dollars was appropriated for repairs to paved streets Sixteen thousand dollars of this amount was required to pay for repairs to sheet asphalt pavements about the market houses and the City Hall, which had been arranged for prior to my incumbency. This left eighty-four thousand dollars, which was afterwards increased by transfer, by resolution of Mayor and City Council, of six thousand dollars from appropriation for cross streets. A large number of streets, many of them almost impassable, have been put in thorough repair, so that little or no attention will be required for years. In making repairs to cobble-stone paving, an unusually large amount of new material was found necessary, both of stone and gravel. The crown of many streets required raising from six to twelve inches, whilst a large percentage of the stone were, in size, below the standard, and consequently, too small to be replaced. Many of them were utilized in filling holes in un-

paved streets. During the preceding year (1896) the west side of Eutaw Place, paved with asphalt blocks, from Dolphin street to North avenue, was repaired at an expense of $7,045.80. This year the east side, equally bad, between same points was repaired at a cost of $4,268,90, (a large part of the area requiring new blocks,) aggregating $11,314.70. The west side, and sections of all streets crossing Eutaw Place will require additional repairs during this year. I recommend the appropriation of as large a sum as is possible, to continue the good work for the year 1898.

In addition to the ordinary repairs of streets, the duty of repairing pavements over the subways has been turned over to this department, whereas all moneys collected for rentals go into the hands of the Comptroller, and is credited to "rental of telephone conduits;" none of it being set apart for repairs of streets over conduits.

It will be impossible to repave with improved pavements all the streets and alleys needing immediate attention, hence a large amount of repair work will be imperative. Of what is known as improved pavement (?), Lexington street, completed May 20, 1893; Saratoga street, completed August 8, 1893; Lafayette avenue, completed October 3, 1892, and Charles street, from Madison street to Chase street, all laid with asphalt blocks, will require extensive repairs at once. Fulton avenue, also laid with asphalt blocks, on which the sum of $25,634.39 was expended in 1896, will require further repairs at a large cost. As regards streets paved with cobblestones, further disintegration ought not to be permitted.

There are a number of causes which have contributed to the universally conceded bad condition of our streets. First, the neglected "stitch in time," whereby disintegration has been allowed to go on, which might have been prevented by prompt attention. The neglect of street railways and their utter indifference to the requirements of the law regarding their duty to keep in repair streets between and two feet outside their tracks. I have had an inspection made of all lines in this city, and a specific memorandum of places requiring attention sent to each company,

with notice to repair. A failure to respond promptly will bring upon them the penalties provided.

The laying of private drain-pipes is a fruitful source of dilapidated streets. In the past a very imperfect record was kept regarding the correct location of private drain pipes, and it is impossible in many instances to ascertain who are the owners. The expense of repairs, in such cases falls upon the city. Under the present system of granting permits, pipes can be *accurately located*, and the party for whom connections are made, as well as party making them, designated.

The tendency towards emptying cesspools through private pipes into our open sewers is on the increase, and should be largely curtailed. The necessity for them at all emphasises the great need for a general sewerage system. The necessary tearing up of streets by Water Department and gas company is another fruitful source of bad streets, and whilst they are supposed to repair over their own ditches, their work is not of the best character. My belief is that all paving of this character, whether of Water Department, gas company or any private individual, should be done by the City Commissioner's Department, at the expense of the corporation or individual for whose benefit the street was disturbed. This would fix the responsibility and save the city money. Water and gas mains should be placed in alleys as far as practicable.

A large number of notices were served on property owners whose sidewalks were in bad condition, which resulted in great improvement in footways already laid, and compelled the laying of a number of pavements where none had ever been before.

An ordinance should be passed legalizing the use of improved methods of laying sidewalks, as the present law recognizes only brick.

SEWERAGE.

The Sewerage Commission has presented a full and interesting report of the needs of the city, so far as the general question of sewerage is concerned, but there are many important questions bearing on storm water drainage with which this department must

deal, and investigations and estimates are now being made concerning the requirements of various sections of the city in that particular. During the year, the following sewers were completed: Alluvion street, Beason street, Camden street, Henrietta street, Druid Hill avenue, North Charles street, North Charles street extension, Fulton avenue, Pulaski street, Franklin and Pulaski streets, Fremont avenue, Patapsco street, in alley between Saratoga and Mulberry streets, running from Greene to Pearl streets. Patapsco street sewer extension and Presstman street sewer have also been completed, excepting some inlets to be put in when streets are graded. Alluvion street sewer was completed, including all inlets and paving over same on Scott street, under the very efficient supervision of Mr. Newton M. Gray, Assistant City Commissioner, at a cost far below the estimate made by his predecessor. The estimate and appropriation was for $140,000.00. The actual cost was $100,517.19, leaving a balance of $39,482.81. This is, I believe, something unprecedented in the city's history.

Two sewers are now in process of construction: Stricker street and Clifton avenue, both important, and when completed, will afford relief to a large area in northwestern section which has suffered very much during heavy downpours in the past. The work on both these sewers is of a superior order, vitrified brick having been substituted for the ordinary hard brick or stone heretofore used in sewer bottom. Both will be completed during 1898. Inlets will be constructed as the sewers are built, thus relief will be given as the work progresses.

A number of old sewers and many inlets were found to be sadly in need of repairs, and the amount appropriated for repairs of sewers, I regret to say, was entirely inadequate and was exhausted before the *absolutely necessary repairs* were completed. An appropriation of $10,000 should be made for continuing the work of rapairs in order to provide against serious damage to the sewers, and perhaps loss of life. Assistant City Commissioner Gray, in charge of sewers, in his report, herewith transmitted, makes a number of pertinent suggestions and recommendations concerning necessary extensions and new sewers.

The sewer in Charles street, between Mount Royal avenue and the falls should be extended to Preston street, and an iron pipe of sufficient diameter laid in Morton alley and emptying into the Maryland avenue sewer to relieve that section. The approximate cost of the two will be $8,000.

The Lovegrove-alley sewer, on north side of Jones Falls to Twenty-fourth street, requires a number of inlets and man-holes to make it thoroughly efficient, for which the sum of $3,000 will be required.

The sewer in Centre street, now ending at St. Paul street, should be extended, at least, to west side of Park avenue. During heavy rains the large amount of water rushing down the steep hill so damages the paving as to render it impossible to keep the street in good repair. For this extension the sum of $16,000 will be necessary.

Bush street sewer, completed in 1895, requires twenty-two inlets to make it effective, and the whole appropriation having been exhausted in the construction of the sewer itself, an appropriation of $6,500 will be required for inlets. For more detailed information concerning sewers and the needs of various localities of the city for better drainage facilities, reference is made to the accompanying report of Assistant City Commissioner Gray.

BRIDGES.

Under Ordinance No. 17, approved May 7, 1897, by which the sum of $34,000 was appropriated, and Resolution No. 69, approved July 2, 1897, changing the plan, the old wooden structure across Gwynn's Falls at Wilkens' avenue, known as Wilkens' Avenue Bridge, was demolished, it having become very dangerous, and a new and substantial steel structure erected in its stead at a cost of $26,459.32, being $7,540.68 less than appropriation, which balance has reverted to the treasury. The structure consists of three spans of 112 feet each. (One of the spans of the original bridge having been replaced with an earthen fill). The abutments were rebuilt and centre piers reinforced. With proper attention in the future it will stand a permanent structure. The work of

taking down the old bridge was begun August 4, 1897, and the new structure completed December 30, 1897, having been opened to travel December 9, 1897. The work was done under the direction of Frederick H. Smith as Chief, and Layton F. Smith, a regular employee of this department, as Assistant Engineer.

The general repairs to bridges was placed in charge of O. W. Connet, Assistant City Commissioner, with Layton F. Smith, Assistant Engineer in immediate charge. As stated in last year's report, when I assumed charge of the department, all the bridges in the city were suffering from shameful neglect. Floors were in a dilapidated, and in many instances, a dangerous condition, and all were being consumed by rust. I doubt if many of them had received any attention since their completion. Under a systematic yet economical method of repairs, the disintegration of many has been checked. The floors of all were put in safe condition and the best method available for removing the rust and scales from the iron structures introduced, after which painting was done so far as the limited appropriation of the last Council, for repairs of bridges, would permit. I recommend an appropriation of $20,000 this year, that the absolutely necessary repairs may be prosecuted to completion. Our bridges are important parts of our highways, and should not be neglected in the future, as in the past. Crossing Jones Falls, as most of them do, and being subjected to the gases arising from that noted stream in addition to the smoke from the many locomotives passing under several of them, renders frequent painting absolutely necessary.

The bridge spanning Spring Gardens and connecting the city with the Anne Arundel shore, being entirely a wooden structure about seven-eights of a mile in length, requires constant repairs. The force employed to attend the drawbridge do a large part of the work near the draw, but at points remote additional labor is required when any considerable amount of work is necessary. During the year just closed, much of the flooring at the south end was replaced, but owing to the insufficiency of the appropriation, work had to be discontinued before all necessary repairs were made. I trust, therefore, a sufficient appropriation will be made to complete the work this year.

Several complaints, in the form of petitions for relief, have been received during the past year, from citizens who have been greatly annoyed by the very faulty construction of the crossings of tracks of certain street railways. The attention of the officials of the company interested has been called to these complaints, but no remedy has been applied. I respectfully suggest that an ordinance be passed, giving to the City Commissioner,or other proper officer, the authority to compel such nuisances to be abated, under a proper penalty.

STREETS IN THE ANNEX.

I would suggest that prompt action be taken regarding the proposed system of street projection in the annex. A report has been made, I understand, by the Topographical Commission recommending a comprehensive system in the northern and western parts of the city. The subject should have prompt attention, for the reason that under the present system, in the absence of any law governing the matter, owners of large plats of ground are laying them out to suit their own ideas, and a great number of streets have been platted to suit purely local and private interests, without regard to public convenience or topographical surroundings. On these streets grades have been assumed and houses erected with no thought of drainage. This department has had great trouble in the past in revising such grades with a view of providing for a proper drainage system; and an undesirable compromise between the city's interest and that of property owners has generally been the result. If a general plan of street projection in the annex is now adopted and enacted into a law, a large and unnecessary expense may be avoided in planning the city's future improvements, which will certainly be entailed if the present system is continued.

In this connection, I would call attention to the necessity of grade establishment in the various unimproved sections of the city, but especially in the annex. As to grades in the old city, the establishment has been rather spasmodic, and that too often to accommodate someone's individual convenience. On general principles, grades should always precede improvements, and I

recommend the passage of an ordinance, requiring the establishment of grades before permits are given for improvements of any character whatever. Owing to the non-establishment of grades at Walbrook, Hampden and Waverly, great difficulty is being experienced in securing proper drainage. That portion of Waverly lying west of York road is drained at present only through a wooden conduit, fast falling into decay, extending from York road to west side of Barclay street, having at least one-half its outlet below the surface of Barclay street in which it is supposed to discharge. To remedy this trouble, Thirty-second street should at once be condemned and opened from the York road westerly, preparatory to building a sewer at that point which will eventually have its outlet in Jones Falls. To me it seems bad policy to neglect the opening of streets in the Annex. Improvements should be projected, begun and gradually continued. The expense will be largely borne by the abutting property. The Twenty-first and Twenty-second Wards, comprising the whole of the annex, cover a large area, and comparatively little has been done in the way of development since their admission to the city, outside of building. The opening of streets will tend toward a more rapid development and improvement of property, and as a consequence, the taxable basis will be increased.

There is a growing demand for a reduction in the number of telegraph and other unsightly poles in our streets and alleys, whilst the number is constantly increasing, and must do so until the wires are placed underground. The accompanying report of William Horr, Jr., Inspector, shows the number and character of poles throughout the city, and the increase during the year, notwithstanding our efforts to reduce the number. The rapid extension of street railways will necessitate a much larger increase.

Appended will be found tabulated statements of the number of miles, original cost, annual and average cost of repairs to each, of the improved pavements laid in the city. The original cost of Belgian block pavements, however, laid between 1878 and 1881, and repairs to Belgian block pavements up to 1897, owing to insufficiency of data, connot be given.

Respectfully,

W. A. HANWAY, *City Commissioner.*

CITY COMMISSIONER'S DEPARTMENT,
BALTIMORE, January 1, 1898.

Col. W. A. Hanway, City Commissioner:

DEAR SIR: The following is a report of trolley and other poles erected, removed, transferred and standing in the city for the year ending December 31, 1897:

There has been an increase of 1,098 poles used by the various city passenger railway companies using electricity as a motive power, caused by building new extensions and changing cable to electric lines as follows:

The Baltimore City Passenger Railway Company changed its cable to an electric line on Calvert, Read, Charles, St. Paul streets and North avenue in May and June, 1897, under a decision rendered in their favor by the Court of Appeals of Maryland, as a permit had been applied for on November 25, 1897, and which was refused by the Mayor. They also erected poles on Camden, Sharp, Stockholm, Ostend, Monument streets and Patterson Park avenue on line of new extensions. They have also been granted permission to erect poles along their red and white lines, which work had not begun at the end of year 1897.

The Central Railway Company erected poles on Preston, Alice-anna, Fountain and Chester streets and Milton and Canton avenues on line of new extensions.

The Falls Road Electric Railway Company of Baltimore and Northern Electric Railway Company as it is now called, erected poles on Lafayette avenue, Falls road and Union avenue. The poles on Union avenue were erected on Sunday and without permission having been obtained from the city, on account, I believe, of the bed of said avenue being in litigation as to its proper ownership. They also obtained permission to erect poles on Woodberry avenue, which work had not been begun at the end of year 1897.

The Baltimore Consolidated Railway Company, which is the

successor of the Baltimore Traction and City and Suburban Railway Companies, erected poles on Presstman, Paca and Whitelock streets and Fremont avenue on line of new extensions and horse-car line on south Paca street. They also obtained permission to erect poles on Old Windsor Mill road, Monroe street and Slingluff avenue, which work had not begun at the ending of year 1897.

There has been a net increase of 8 poles used by the various telephone, telegraph and electric-light and power companies, which is due to extensions into new territory, also there being a new telephone company in the field who entered into active business in the last year.

The annexed detailed report also shows an additional increase of 1,347 poles, caused by including city electric-light poles, which was not done formerly, as the correct data was not at hand.

By resolution of the Second Branch City Council, adopted November 30, 1896, the City Commissioner was requested to suggest some possible means for the lessening of the number of poles on Broadway between Baltimore street and Canton avenue. There were seventy-eight poles on said street owned by the Brush Electric, Edison Electric Illuminating and Home Telephone Companies, and the only way in our power to reduce the number was to request the aforesaid companies to co-operate and use a joint line, which was accomplished after some little delay, and the work was completed in September, 1897, and the result is a reduction of thirty-four poles, there now being forty-four poles on said street. They were also directed to erect poles fifty-five feet high, which is quite an improvement, as it increases the efficiency of the City Fire Department.

There have been a number of complaints, which were attended to promptly and with an eye to the public welfare.

Yours respectfully,

WILLIAM HORR, JR., *Inspector.*

Report of Trolley Poles Erected, Removed and now Standing of the Several City Passenger Railway Companies.

Owners.	Poles Standing December 31, 1896.	Poles Erected During 1897.	Poles Removed During 1897.	Poles Standing December 31, 1897.
Baltimore City Passenger Railway Co	1,658	427		2,085
Baltimore Consolidated Railway Co	5,350	181	1	5,530
Central Railway Co	1,004	183		1,187
Edmondson Avenue, Catonsville and Ellicott City Electric Railway Co	237			237
Baltimore and Northern Electric Railway Co		308		308
Totals	8,249	1,099	1	9,347

Report of Telephone, Telegraph, Electric Light and Other Poles Erected, Removed and Now Standing of the Various Companies Doing Business in the City.

Owners.	Poles standing December 31, 1896.	Poles erected during 1897.	Poles removed during 1897.	Poles found to be on private property.	Poles received from other Companies.	Poles transferred to other Compa's.	Poles standing December 31, 1897.
Chesapeake & Potomac Tel. Co....	1,449	3	.....	.....	101	....	1,553
Home Telephone Co.....	4	154	14	....	183	....	327
Western Union Telegraph Co.....	776	....	164	.....	.....	30	582
Postal Telegraph Cable Co.....	500	1	....	35	.....	.....	466
American Telephone and Tel. Co..	182	....	5	.....	.....	.....	177
American District Telegraph Co...	3	.....	.....	.....	.....	.....	3
U. S. Postal Printing Telegraph Co.	15	.....	.....	.....	.....	.....	15
Baltimore & Potomac Railroad Co.	42	.....	.....	.....	.....	.....	42
Northern Central Railway Co.....	50	....	1	.....	.....	.....	49
Baltimore & Ohio Railroad Co....	148	.....	.....	12	....	3	133
Brush Electric Co.....	1,891	67	44	....	6	....	1,920
Edison Electric Illuminating Co...	1,318	65	33	....	4	...	1,354
Northern Electric Co.....	.....	7	.....	.....	191	....	198
U. S. Electric Light and Power Co.	191	.....	.....	.....	.....	191	.....
Instantaneous Fire-Alarm Co.....	30	....	1	4	....	1	24
Police and Fire-Alarm Telegraph..	1,863	22	6	....	48	271	1,656
Electric Light Poles.....	1,347	15	7	.....	.....	.....	1,355
Subway Commission.....	37	.....	.....	.....	.....	37	.....
Totals.....	9,846	334	275	51	533	533	9,854

GENERAL INFORMATION.

THE TOTAL MILEAGE OF PAVED STREETS IN THE CITY DECEMBER 31, 1897, IS AS FOLLOWS:

Granite blocks	31.2505
Asphalt blocks	9.6469
Sheet asphalt	7.0397
Vitrified bricks	0.6415
Mosaic blocks	0.5220
Cobblestone (Annex)	21.64
" (within old city limits)	297.2
Total	367.9406

AREA OF THE CITY IS AS FOLLOWS:

	Sq. Miles.	
Annex (Twenty-first Ward)	16.959	
" (Twenty-second Ward)	6.100	
		23.059
Old City (Land area)	13.202	
" (Harbor area)	1.507	
		14.709
Total		37.768

Total area of street paving in old city..... 2.0 square miles.
Length of water front (measured on bulkhead line) 16.0 " "

ABOVE MEAN LOW TIDE.

Highest elevation in the city near Garrison and Oakford avenues, West Arlington	461.0 feet.
Elevation of street pavement at foot of Washington Monument	99.3 "

During the year 1897 there was collected in the department from various sources $7,269.55.

This comprises money paid in for permits to lay private drain pipes, account of sale of old material, establishing grades, copying records, inspection in laying private drain pipes, etc. There was also some work done for the Inspector of Buildings Department in laying drain pipes from public buildings and in paving streets where the entire cost was chargeable to the abutting property, the last-named work being done under the provisions of Article 48, Sections 31 and 45, of the City Code. In these cases a special account was opened for each piece of work and the amount paid in was credited to the account.

Bills were also rendered against other departments for materials furnished and for work done. The money thus collected and which is not strictly revenue amounted to $1,650.49, leaving an amount of $5,619.06, which was paid into the city treasury and subject to future appropriations.

The collections by months were as follows:

	1897:
January	$148 95
February	140 75
March	490 25
April	638 16
May	1,107 36
June	949 60
July	723 31
August	217 00
September	758 81
October	423 43
November	295 73
December	1,376 20
	$7,269 55

STATEMENT OF PERMITS ISSUED BY THE CITY COMMISSIONER'S DEPARTMENT DURING THE YEAR 1897.

The permits issued during the year number 1,816, an increase of 415 over that of 1896. Classified, they are as follows:

To the Consolidated Gas Company	123
For water service pipes	364
To the various corporations for erecting, changing and renewing telegraph and trolley poles and guy posts	181
To various parties for laying drain-pipes	224
To various parties for repairing drain-pipes	173
For setting and resetting kerb	153
For miscellaneous repairs to streets	109
For constructing driveways across footways	66
For planting trees along footways	23
For repairs to bridges	3
For laying subway conduits	9
For hauling cables	7
For erecting hitching posts	25
For blasting	25
For constructing street railway tracks	24
For placing gasoline tanks under footways	10
For grading, paving and kerbing streets	22
For constructing footways	15
For grading streets	4
To the Water Department	9
For laying steam-pipes	5
For laying waste-water pipes across footways	238
For placing stepping-stones along footways	4
	1,816

APPROPRIATIONS AND EXPENDITURES UNDER ORDINANCES AND RESOLUTIONS PROVIDED FOR IN TAX LEVY OF 1897.

Account.		Appropriations.	Expended.	Balance Credit.
Repairs of sewers	$5,000 00			
Amount transferred to this account; Resolution No. 93..	1,000 00			
	$6,000 00			
Less amount transferred by Resolution No. 7.....	128 94			
		$5,871 06	$5,674 16	$196 90
Repairs of unpaved streets		3,000 00	2,988 14	11 86
Repairs of bridges		15,000 00	14,999 66	34
Paving in front city property		3,000 00	3,000 00	.....
Paving and repaving cross streets	$30,000 00			
Less amount transferred by Resolution No. 33.....	7,000 00			
		23,000 00	22,273 81	726 19
Maintenance Light street bridge		5,310 00	5,302 61	7 39
Livery and transportation		1,500 00	1,500 00	.....
Advertising		200 00	198 46	1 54
Incidentals		500 00	489 50	10 50
Salaries		32,950 00	29,871 48	3,078 52
Constructing boardwalk on Fayette street		40 00	.....	40 00
Rental of storage lots		200 00	200 00	.....
Inlets at Baltimore street and Frederick avenue		750 00	750 00	.....
Inlets at Schroeder and Hollins street		1,200 00	1,034 92	165 08
Repairs of paved streets	$100,000 00			
Amount added by Resolution No. 93.....	6,000 00			
		106,000 00	105,994 85	5 15
Flags and stepping stones		2,000 00	1,711 88	288 12
Inlets, Fremont ave. and Lanvale st., Resolution No. 7		128 94	128 94	.....

Paving gutter, Townsend street, Resolution No. 41			126 13	126 13	.....
Macadamizing Sinclair lane, Resolution No. 40			133 16	133 16	.....
Drain pipe in Newington avenue			568 13	568 13	.....
Repairs roads, streets, bridges, &c., Annex		$20,000 00			
Less amount by Resolution No. 40	$133 16				
Less amount by Resolution No. 41	126 13				
Less amount by Resolution No. 34	1,089 00				
		1,348 29			
			18,651 71	18,555 53	96 18
Paving Park avenue			10,000 00	8,214 85	1,785 15
Paving certificates			1,885 74	1,885 74	.....
Interest on paving certificates			219 15	219 15	.....
Macadamizing Augusta avenue			1,089 00	1,089 00	.....
			$233,323 02	$226,910 10	$6,413 92

APPROPRIATIONS AND EXPENDITURES UNDER VARIOUS LOAN ACCOUNTS.

Account.	Appropriations.	Total Expended.	Expended in Previous Years.	Expended in 1897.	Balance Credit.
Clifton avenue sewer, Ordinance No. 29	$12,000 00	$4,582 72	.....	$4,582 72	$7,417 28
Drain pipe in Elm street	600 00	589 37	.....	589 37	10 63
Patapsco street sewer extension	47,000 00	43,793 64	$43,567 22	226 42	3,206 36
Bruce alley sewer	64,446 28	59,938 29	59,376 80	561 49	4,507 99
Fulton avenue sewer, Ordinance No. 15	23,000 00	19,326 64	19,099 61	227 03	3,673 36
Sewer in alley between Green and Pearl sts.	1,800 00	1,392 71	1,379 13	13 58	407 29
North Charles st. sewer, Ord. No. 97 of 1893	67,946 65	66,229 07	65,991 27	233 80	1,718 58
Charles st. sewer extension, Ord. 128 of 1896	8,000 00	5,096 56	225 94	4,870 62	2,903 44
Druid Hill avenue intercepting sewer	250,000 00	247,743 61	242,814 90	4,928 71	2,256 39
Beason street sewer	11,892 05	10,182 90	7,126 63	3,056 27	1,709 15
Camden street sewer	1,000 00	628 61	19 22	609 39	371 39
Pulaski & Franklin st. sewer, Ord. 162 of 1890	47,400 00	47,205 88	47,008 25	197 63	194 12
Eager street sewer	16,000 00	12,155 24	55 10	12,100 14	3,844 76
Pulaski street sewer, Ord. 146 of 1889	41,500 00	41,500 00	40,943 94	556 06	.....
Henrietta street sewer	1,000 00	964 93	145 41	819 52	35 07
Stockholm street sewer	40,000 00	40,025 32	53 57	9,971 75	29,974 68
Alluvion street sewer	140,000 00	100,517 19	75,695 55	24,821 64	39,482 81
Fremont avenue sewer	93,200 00	91,730 63	91,562 79	167 84	1,469 37
Presstman street sewer	30,000 00	29,325 21	29,163 72	161 49	674 79
Harford run improvement, (balance)	3,135 53	38 64	.....	38 64	3,096 89
Lanvale and Stricker street sewer	40,000 00	15,555 14	.....	15,555 14	24,444 86
Wilkens avenue bridge	34,000 00	26,459 32	.....	26,459 32	7,540 68
Repaving Patterson avenue	31,461 78	31,461 78	.....	31,461 78	.....

Repaving Broadway.....$37,397 64					
Less am't by Res. No. 33 of 1896, transferred to Patterson ave.. 1,672 04	35,725 60	35,725 60	35,713 71	11 89	.....
Repaving Aliceanna street.....$47,000 00					
Less am't by Res. No. 33 of 1896, transferred to Patterson ave..$18,871 79	28,128 21	28,128 21	27,786 10	342 11	.....
	$1,069,236 10	$930,296 21	$787,731 86	$142,564 35	$138,939 89

STATEMENTS OF EXPENDITURES IN PAVING STREETS, UNDER THE GENERAL ASSESSMENT AND PAVING LAW OF 1893.

Account.	Street from	Street to	Expended prior to 1897.	Expended in year 1897.	Total.
Paving Mount street	Northwest street	North avenue	$4 75	$1,048 99	$1,053 74
" Federal street	Aisquith street	Eden street	1,177 18	233 34	1,410 52
" Alley	Northwest street	North avenue		1,382 03	1,382 02
" Montford avenue	Baltimore street	Monument street	4,584 09	47 60	4,631 69
" Oliver street	Guilford avenue	Greenmount avenue	3,644 65	214 00	3,858 65
" Carey street	Presstman street	North avenue		146 84	146 84
" Preston street	Patterson Park avenue	Potomac street	9,894 55	7,015 96	16,910 51
" Northwest street	Calhoun street	Fulton avenue	4 87	1,237 37	1,242 24
" Luzerne street	Baltimore street	Fayette street	29 19	2,570 20	2,599 39
" Lanvale street	Broadway	Wolfe street		920 00	920 00
" North avenue	Greenmount avenue	Washington street	14 50	32 27	46 77
" Covington street	Fort avenue	Wells street	335 93	3,870 62	4,206 55
" Lawrence street	Fort avenue	Clement street	16 95	2,015 68	2,032 63
" Calhoun street	Presstman street	Baker street		38 65	38 65
" Baker street	Fulton avenue	Liberty road	24 08	2,706 24	2,730 32
" Bayard street	Columbia avenue	Paca street	117 05	6,546 90	6,663 95
" Marshall street	Beverlin street	Fort avenue	78 50	1,466 36	1,544 86
" Ridgely street	Ostend street	Bayard street	668 89	1,650 08	2,318 97
" Beason street	Andre street	Hull street	26 85	3,256 64	3,283 49
" Madison street	Wolfe street	Bradford alley		82 29	82 29
" Mulberry street	Kirby's lane	Fulton avenue		6 17	6 17
" 23d street	York road	Oak street	4 00	66 11	70 11
" Cannon street	Oliver street	Monument street	14,650 28	4,554 58	19,204 86
" Castle street	Monument street	Eager street		70 32	70 32
" Little Forrest street	Preston street	Biddle street		476 46	476 46

Paving Bruce alley	Baker street	North avenue	26 40	2,091 37	2,117 77
" Alley	McKim street	Hillman street		46 98	46 98
" Payson street	Baltimore street	Fayette street		42 74	42 74
" Pulaski street	Baltimore street	Lexington street		42 82	42 82
" Girard avenue	Greenmount avenue	Guilford avenue		54 68	54 68
" Durham street	Lanvale street	North avenue		12 51	12 51
" Alley	Union avenue	Third avenue		6 50	6 50
" 21½ street	Guilford avenue	Barclay street		587 39	587 39
" Scott street	Stockholm street	Ridgely street		57 82	57 82
" Kirby's lane	Franklin street	Lanvale street		55 85	55 85
" Richardson street	Clement street	Beason street		22 75	22 75
" 23½ street	Guilford avenue	Barclay street		551 99	551 99
" Alley	Robinson street	East avenue		120 84	120 84
" Collington avenue	McElderry street	Chase street		15 30	15 30
" Druid Hill avenue	Clendenin street	Whitelock street		13 92	13 92
" Marshall street	Beverlin street	West street		10 58	10 58
" 21st street	Guilford avenue	Barclay street		26 63	26 63
			$35,302 71	$45,416 37	$80,719 08

MISCELLANEOUS ACCOUNTS NOT PROVIDED FOR BY APPROPRIATION.

Account.	Amount collected.	Amount expended.	Balance credit.
Repairing Harrison street	$30 20	$30 20	
Drain pipe from Nos. 8 and 30 Schools	1,071 05	1,071 05	
Paving Townsend street	142 99	142 99	
Drain pipe from No. 21 Engine House	161 02	161 02	
Grade establishment	483 23	483 23	
Paving footways		41 36	

CONTRACTS IN FORCE IN THE CITY COMMISSIONER'S DEPARTMENT, JANUARY 1, 1898.

No.	Contractor.	To Furnish	For	Price.	Expires. (Including Guaranties.)
218	Patrick Keelty.	Paving.	Wolfe street.	Grading, 10c. cub. yd.; paving, 5¾c. sq. ft.; curbing, 37c. lin. ft.; resetting curb, 7c. lin. ft.	Apr. 28, 1898.
219	Patrick Keelty.	Paving.	Preston street.	Grading, 5c. cub. yd.; paving, 5¾c. sq. ft.; repaving, 2½c. sq. ft.; curbing, 37c. lin. ft.; resetting curb, 7c. lin. ft.	Mar. 6, 1898.
223	Patrick Reddington.	Paving.	Johnson street.	Grading, 13c. cub. yd.; new curb, 37c. lin. ft.; resetting curb, 8c. lin. ft.; paving, 5.2c. sq. ft.; repaving, 2.2c. sq. ft.	May 22, 1898.
225	Patrick Keelty.	Paving.	Preston street, Chester to Patterson Park avenue.	Grading, 17c. cub. yd.; paving, 7½c. sq. ft.; curbing, 39¾c. lin. ft.; curb circles, 79½c. lin. ft.	Mar. 3, 1898.
228	Jas. P. McGovern.	Paving.	Cannon street.	Grading, 22c. cub. yd.; paving, 7c. sq. ft.; curbing, 40c. lin. ft.; curb circles, 80c. lin. ft.	Two years after work is accepted.
229	Jas. P. McGovern.	Paving.	Jefferson street.	Grading, 18½c. cub. yd.; paving, 7c. sq. ft.; curbing, 40c. lin. ft.; resetting curb, 10c. lin. ft.; repaving, 3c. sq. ft.; setting flagstones, 7c. sq. ft.; intervening Belgian blocks, 7c. sq. ft.; curb circles, 80c. lin. ft.; resetting circles, 10c. lin. ft.	May 20, 1898.
230	A. Schneider & Son.	Paving.	Luzerne street.	Grading, 15c. cub. yd.; paving, setting flagstones and intervening blocks, and gutterstones, 6¾c. per sq. ft.; repaving, 3c. sq. ft.; curbing, 40c. lin. ft.; curb circles, 80c. lin. ft.; resetting curb and curb circles, 10c. lin. ft.	May 19, 1898.

231	A. Schneider & Son.	Paving.	Chester street.	Grading, 18c. cub. yd.; paving, set ing flagstones and intervening blocks and gutterstones, 6¼c. sq. ft.; curbing, 38c. lin. ft.; resetting curb and circles, 10c. lin. ft.; curb circles, 76c. lin. ft.; repaving, 3c. sq. ft.	Sept. 25, 1898.
232	A. Schneider & Son.	Paving.	Chase street.	Grading, 20c. cub. yd.; paving, setting flagstones, intervening blocks and gutter-stones, 6¼c. sq. ft.; repaving, 3c. sq. ft.; curbing, 38c. lin. ft.; curb circles, 76c. lin. ft.; resetting curb and circles, 10c. lin. ft.....	Sept. 2, 1898.
249	George Utterbaugh.	Paving.	Carey street.	Private contract. Street repairs guaranteed.	Jan. 4, 1898.
254	Vincent Hagemann.	Paving.	Harmanson street.	Private contract. Street repairs guaranteed.	Feb. 3, 1898.
255	P. Reddington.	Paving.	Brevard street.	Grading, 20c. cub. yd.; paving, setting flagstones and intervening blocks and gutter-stones, 5¾c. sq. ft.; curb, 35c., and curb circles, 70c. per lin. ft.; repaving, 2½c. sq. ft.; resetting curb and circles, 7c. lin. ft.	May 22, 1898.
256	M. F. Leonard.	Paving.	Cannon street.	Grading, 15c. cub. yd.; setting flagstones and intervening blocks, paving and setting gutter-stones, 7½c. per sq. ft.; repaving, 3½c. sq. ft.; curbing, 38½c., and curb circles, 77c. per lineal ft.; resetting curb and circles, 10c. per lin. ft.	July 28, 1898.
257	P. Reddington.	Paving.	Riggs avenue.	Grading, 15c. cub. yd.; paving, setting flagstones and intervening blocks and gutter-stones, 6c. sq. ft.; repaving, 3c. sq. ft.; curbing, 38c., and curb circles, 76c. per lin. ft.; resetting curb and circles, 8c. per lin. ft.	July 28, 1898.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
258	P. Reddington.	Paving.	Eastern avenue.	Grading, 18c. per cub. yd.; paving, setting flagstones and intervening blocks and gutter-stones, 8½c. per sq. ft.; repaving, 4c. sq. ft.; curbing, 40c., and curb circles, 80c. per lin. ft.; resetting curb and circles, 10c. lin. ft.	Mar. 31, 1898.
259	Patrick Keelty.	Paving.	Oliver street.	Grading, 14c. cub. yd.; paving and gutter-stones, 6¼c. sq. ft.; curbstones and circles, 50c. lin. ft.; flagstones and intervening blocks, 25c. sq. ft.; repaving, including gutter-stones, 2½c. sq. ft.; resetting curbstones and curb circles, 8c. lin. ft.; relaying flagstones and intervening blocks, 6c. sq. ft.	Dec. 11, 1898.
260	O. Malone & Co.	Paving.	Rose street.	Grading, 15c. cub. yd.; paving, setting flagstones and intervening blocks, 7c. sq. ft.; gutter-stones, 10c. lin. ft.; repaving, 2½c. sq. ft.; curbing, 40c. lin. ft.; curb circles, 80c. lin. ft.; resetting curb and circles, 10c. lin. ft.	June 23, 1898.
261	J. P. McGovern.	Paving.	Montford avenue.	Grading, 16c. cub. yd.; paving, setting flagstones and intervening blocks and gutter-stones, 7c. sq. ft.; curbing, 40c. lin. ft.; curb circles, 80c. lin. ft., repaving, 3c. sq. ft.; resetting curb and circles, 10c. lin. ft.	Aug. 25, 1898.

262	George Klein.	Paving.	Hamburg street.	Grading, 20c. cub. yd.; paving, setting flagstones, intervening blocks and gutter-stones, 5¾c. per sq. ft.; curbing, 37c. per lin. ft.; curb circles, 74c. lin. ft.; resetting curb and circles, 10c. per lin. ft.; repaving, 3c. sq. ft.	Two years after work is accepted.
263	J. P. McGovern.	Paving.	McCulloh street.	Grading, 10c. cubic yd.; setting flagstones, intervening blocks and gutterstones and paving, 6c. sq. ft.; repaving, 2¾c. sq. ft.; curbing, 40c. lin. ft.; curb circles, 80c. lin. ft.; resetting curb and curb circles, 8c. lin. ft.	June 26, 1898.
264	Ann M. Schneider.	Paving.	Milton avenue.	Grading, 18c. cub. yd.; paving, setting flagstones, intervening blocks and gutter-stones, 6¼c. sq. ft.; repairing old cobble paving, 3c. sq. ft.; curbing, 38c. lin. ft.; curb circles, 76c. lin. foot; resetting curb and circles, 10c. lin. ft.	Oct. 30, 1898.
265	Patrick Keelty.	Paving.	Preston street.	Grading, 18c. cub. yd.; paving, setting flagstones, intervening blocks and gutter-stones, 7½c. sq. ft.; curbing, 39¾c. lin. ft.; curb circles, 79½c. lin. ft.; resetting curb and circles, 9½c. lin. ft.; repaving, 3½c. sq. ft.	April 10, 1899.
266	Patrick Keelty.	Paving.	Whitelock street.	Grading, 17c. cub. yd.; paving, flagstones, intervening blocks and gutter-stones, 7½c. sq. ft.; curbing, 39½c. lin. ft.; curb circles, 79c. lin. ft.; resetting curb and circles, 9½c. lin. ft.; repaving, 3½c. sq. ft.	Sept. 3, 1898.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
271	M. F. Leonard.	Paving.	Andre street.	Grading, 14c. cub. yd., paving, including gutter-stones, 7¾c. sq. ft.; curb and curb circles, 53c. lin. ft.; flagstone crossings and intervening blocks, 33c. sq. ft. Repaving, including gutterstones, 3c. sq. ft.; resetting curb and circles, 8c. lin. ft.; relaying flagstones, 10c. sq. ft.; curb and curb circles, 68c. lin. ft.	Two years after acceptance of work.
272	M. J. Flannery.	Paving.	Barclay street.	Grading, 14c. cub. yd; paving, including gutter-stones, 6¾c. sq. ft.; repaving, including gutter-stones, 3¼c. sq. ft., resetting curb and circles, 6c. lin. ft.; flagstones, including intervening blocks, 32c. sq. foot.; resetting flags, including intervening blocks, 3c. sq. ft.	Oct. 30, 1898.
273	M. F. Leonard.	Paving.	Beason street.	Grading, 14c. cub. yd.; paving, including gutter-stones, 7¼c. sq. ft.; repaving, including gutter-stones, 3c. sq. ft.; curb and curb circles, 68c. per lin. ft.; flags, including intervening blocks, 33c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; resetting flags and intervening blocks, 10c. sq. ft.; 4½ inch curb and circles, 35c. lineal ft.	Two years after completion of work.

274	P. Reddington.	Paving.	Clement street.	Grading, 15c. cub. yd.; paving, including gutter-stones, 7c. per sq. ft.; 4½-inch curb and circles, 54c. lin. ft.; flags, including intervening blocks, 34c. sq. ft.; repaving, including gutter-stones, 3c. sq. ft.; resetting curb and curb circles, 8c. lin. ft.; relaying flags and intervening blocks, 3c. sq. ft.; 5-inch curb and circles, 70c. lin. ft.	Oct. 20, 1898.
275	M. F. Leonard.	Paving.	Federal street.	Grading, 15c. cub. yd.; paving, including gutter-stones, 6⅞c. sq. foot.; 4½-inch curbing and curb circles, 53c. lin. ft.; flagstone crossings, including blocks, 33c. sq. ft.; repaving, including gutter-stones, 2⅝c. sq. ft.; resetting curb and circles, 7c. lin. ft.; relaying flags and intervening blocks, 7c. sq. ft.; 5-inch curb and curb circles, 68c. lin. ft.	Jan. 12, 1899.
276	P. Reddington.	Paving.	Lanvale street.	Grading, 15c. cub. yd.; paving, including gutter-stones, 7c. sq. ft.; 4½-inch curb and circles, 54c. lin. ft.; flags, including intervening blocks, 34c. sq. ft.; repaving, gutterstones, 3c. sq. ft.; resetting curbstones and circles, 8c. lin. ft.; relaying flags and intervening blocks, 3c. sq. ft.; 5-inch curbstones and circles, 70c. lin. ft.	Dec. 20, 1898.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
277	M. F. Leonard.	Paving.	Oliver street.	Grading, 15c. cub. yd.; paving, including gutter-stones, 6¾c. sq. ft.; 4½-inch curb and curb circles, 53c. lin. ft.; flags, including Belgian blocks, 33c. sq. ft.; repaving, including gutter-stones, 2¾c. sq. ft.; resetting curb and and circles, 7c. lin. ft.; relaying flags, including intervening blocks, 7c. sq. ft.; 5-inch curbs and circles, 68c. lin. ft.	Nov. 10, 1898.
278	P. Reddington.	Paving.	Spring street.	Grading, 20c. cub. yd.; paving, including gutter-stones, 6c. sq. ft.; 4¼-inch curb and circles, 54c. lin. ft.; flags, including blocks, 34c. sq. ft.; repaving, including gutter-stones, 3c. sq. ft.; resetting curbstones and circles, 8c. lin. ft.; relaying flags, including blocks, 3c. sq. ft.; 5-inch curb and circles, 70c. lin. ft.	Dec. 8, 1898.
279	Pat. Keelty.	Paving.	Hopkins avenue. Townsend st., north half.	Private contract; street repairs guaranteed.	....
281	J. W. Amos.	Paving.	Montrose street.	Private contract; street repairs guaranteed.	Mch. 26, 1898.
282	W. H. Tabeling.	Paving.	Federal street, north half.	Private contract; street repairs guaranteed.	Mch. 26, 1898.

291	Westham Granite Co.	Paving.	York street.	Mosaic block paving, including gutter-stones; also including grading and removal of old cobble pavement, flag, and gutter-stones and 4-inch curb-stones, and all sand and gravel required, $1.50 per sq. yard.; setting 6-inch curb, straight and curved, and rejointing when necessary, 10c. lin. ft.; old 6-inch curb, straight and curved, dressed, jointed and reset, 10c. lin. ft.; cobble repaving in cross streets, etc., 2½c. sq. ft.; resetting curb in cross streets, etc., 10c. lin. ft.	June 26, 1901.
294	Isaac S. Filbert.	Paving.	Mt. Royal avenue.	Granite block paving, including gutter-stones; also including grading and removal of old cobble pavement, flags, gutter-stones and 4-inch curb-stones, including all sand and gravel required, $2.19 sq. yd.; resetting flags, 10c. sq. ft.; setting 6-inch curb, straight and curved, and rejointing when necessary, 15c. lin. ft; cobble repaving in cross streets, including all sand and gravel required, 5c. sq. ft.; resetting curb in cross streets, including all sand and gravel required, 18c. lin. ft.; hauling curbstones, 7c. lin. ft.	Sept. 8, 1901.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires. (Including Guaranties).
295	I. S. Filbert.	Paving.	Aliceanna street.	Granite block paving, including gutterstones; also including grading and removal of old cobble pavement, flag and gutterstones and 4-inch curbstones, and including all sand and gravel required, $1.93 sq. yd.; 6-inch curb, straight and curved, 15c. lin. ft.; old 6-inch curb, straight and curved, dressed, etc., 21c. lin. ft.; cobblestone repaving in cross streets, including all sand and gravel required, 4½c. sq. ft.; resetting curb in cross streets, including all sand and gravel required, 21c. per lin. ft.; hauling flagstones, cobble and gutterstones, taken up, 12c. sq. yd.; hauling curbstones taken up, 6c. per lin. ft.	Oct. 26, 1901.
296	Southern Asphalt Paving Company.	Paving.	Broadway.	Sheet asphalt paving, including grading and removal of old cobble pavement, flagstones, gutter-stones, and 4-inch curbstones, $1.79 sq. yd.; setting 6-inch curb, straight and curved, and rejointing where necessary, 14c. lin. ft.; old 6-inch curb, straight and curved, dressed, rejointed and reset, 14c. lin. ft.; cobble repaving in cross streets, including necessary sand and gravel, 4c. per sq. ft.; resetting curb in cross streets, including necessary sand and gravel, 12c. lin. ft.; hauling cobble-stones, flagstones and gutter-stones taken up, 5c. per sq. yd. in place; hauling curbstones, 6c. per lin. ft.	Oct. 5, 1901.

9	Jones, Pollard & Co.	Paving.	Eutaw Place.	Asphalt block repaving, including necessary grading, preparation of foundation and removal of old blocks, $1.75 per sq. yd.; repairing with old blocks, including hauling same, preparation of foundation, etc., 50c. sq. yd.; resetting 6-inch curb where needed, 10c. lin. ft.	July 21, 1901.
300	The Maryland Pavement Company.	Paving.	McCulloh street.	Asphalt block paving, $2.02 sq. yd.: excavation, including removal of cobble-stones, curbstones, etc., 30c. cub. yd.; setting 6-inch curb, straight and curved, 8c. lin. ft.; old 6-inch curb, redressed, rejointed and reset, 10c. lin. ft.; cobble repaving in cross streets, 2½c. sq. ft., resetting old curb in cross streets, 6c. lin. ft.; Belgian block repaving, 1½c. sq. ft.	Dec. 29, 1901.
302	P. Reddington.	Paving.	Patapsco street.	(City furnishing cobble, curb and flagstones.) Paving, 3c. sq. ft.; setting curbstones, straight and curved, 8c. lin. ft.; setting flagstone crossings, 3c. sq. ft. (Contractor furnishing material.) Paving, 6c. sq. ft.; gutter-stones, 28c. lin. ft.; flagstone crossings, including Belgian blocks, 34c. sq. ft.; repaving, 3c. sq. ft.; resetting curb, straight and curved, 8c. lin. ft.; relaying flags, 3c. sq. ft.	Nov. 10, 1898.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
303	P. Reddington.	Paving.	Luzerne street.	(City furnishing cobble-stones, curb-stones and flagstones.) Paving, 3c. sq. ft.; setting curbs, straight and curved, 8c. lin. ft.; setting flags, 3c. sq. ft. (Contractor furnishing material.) Paving, 6c. sq. ft.; gutter-stones, 28c. lin. ft.; flags, including Belgian blocks, 34c. sq. ft.; repaving, 3c. sq. ft.; resetting curbs, straight and curved, 8c. lin. ft.; relaying flags, 3c. sq. ft.	Nov. 23, 1898.
304	Jones, Pollard & Co.	Paving.	Pearl street.	Asphalt block paving, including grading and removal of old cobble pavement, flags, gutter-stones and 4-inch curbs and preparation of foundation, $2.11 per sq. yd.: setting 6-inch curb, straight and curved, (furnished by city,) 10c. lin. ft.; old 6-inch curb, straight and curved, redressed, rejointed and reset, 15c. lin. ft.; cobble repaving in cross streets, 4c. sq. ft.; resetting old curb in cross streets, 8c. lin. ft.	Oct. 9, 1901.

305	Jones, Pollard & Co.	Paving.	Fulton avenue.	Asphalt block paving, including taking up present pavement, assorting blocks, grading, preparation of foundation, etc., $2.1795 per sq. yd.; repairing with old blocks removed from streets, including hauling: also preparation of foundation, hauling discarded blocks, etc., 50c. sq. yd.; repaving Belgian block intersections, 20c. sq. yd.; resetting curb, 10c. lin. ft.	Dec. 3, 1901.
306	Jones, Pollard & Co.	Paving.	Mt. Royal avenue.	Asphalt block paving, including removal old cobble pavement, flags, gutterstones and 4-inch curbstones, and including foundation, $2.0643 per sq. yd.; setting 6-inch curb (furnished by city), 10c. lin. ft.; old 6-inch curb, straight and curved, redressed, rejointed and reset, 15c. lin. ft.; old flags taken up and hauled to Patapsco and Luzerne streets, 6c. sq. ft.; old 4-inch curb to be taken up and hauled as above, 7c. lin. ft.; cobble repaving in cross streets, including necessary sand and gravel, 4c. sq. ft.; resetting curb in cross streets, including necessary sand and gravel, 8c. lin. ft.	Oct. 26, 1901.
308	Timothy Bresnan.	Paving.	Pressbury street.	Private contract. Street repairs guaranteed.	Aug. 15, 1898.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
309	J. P. McGovern.	Paving.	Baker street.	Grading, 10c. cub. yd.; cobble paving, including gutterstones, 6c. sq. ft.; 5-inch curb and curb circles, 70c. lin. ft.; 4½-inch curb and curb circles, 40c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; repaving, including gutter-stones, etc., 2c. sq. ft.; resetting curbs and circles, 5c. lin. ft.; relaying flagstones, 6c. sq. ft.	July 3, 1899.
310	P. Reddington.	Paving.	Bayard street.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 6½c. sq. ft.; 5-inch curb and circles, 60c. lin. ft.; flagstone crossings, including Belgian blocks, 34c. sq. ft.; cobble repaving, including gutter-stones, etc., 3c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstones, 6c. sq. ft.; 4½-inch curb and circles, 50c. lin. ft.	June 15, 1899.
311	P. Reddington.	Paving.	Marshall street.	Grading, 20c. cub. yd.; cobble paving, including gutter-stones, 7½c. sq. ft.; 5-inch curbs and circles, 60c. lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including gutter-stones, etc., 3c. sq. ft.; resetting curbs and circles, 8c. lin. ft.	April 5, 1899.

312	P. Reddington.	Paving.	Bruce alley.	Grading, 15c. cub. yd.; cobble paving, including gutterstones, 8c. sq. ft.; 5-inch curb and circles, 60c. lin. ft.; 4½-inch curb and circles, 40c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including gutter-stones, etc., 3c. sq. ft.; resetting curb and circles, 8c. lin ft.; relaying flagstones, 6c. sq. ft.	Sept. 11, 1899.
313	F. Keelty.	Paving.	Lawrence street.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 6¾c. sq. ft.; 5-inch curbstones and circles, 65c. lin. ft.; 4½-inch curbstones and circles, 45c. lin. ft.; flagstone crossings, including blocks, 33c. sq. ft.; cobble repaving, including gutter-stones, etc., 3c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstone crossings, 2c. sq. ft.	July 20, 1899.
314	P. Keelty.	Paving.	Covington street.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 6½c. sq. ft.; 5-inch curbstones and circles, 65c lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstone crossings, including Belgian blocks, 33c. sq. ft.; cobble repaving, including gutter-stones, etc., 2½c. sq. ft.; resetting curbs and circles, 6c. lin. ft.; relaying flagstones, 3c. sq. ft.	June 17, 1899.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
315	Chas. J. Philbin & Co.	Paving.	Canton and Luzerne streets.	Grading, 11c. cub. yd.; cobble paving, including gutter-stones, 7½c. sq. ft.; 5-inch curbstones and circles, 62½c., lin. ft.; 4½-inch curbstones and circles, 47½c. per lin. ft.; flagstone crossings, including blocks, 28c. sq. ft.; cobble repaving, including gutterstones, etc., 3c. sq. ft.; resetting curbstones and circles, 7½c. lin. ft.; relaying flagstone crossings, 2¾c. sq. ft.	Sept. 4, 1898.
316	Chas. J. Philbin & Co.	Paving.	Beason street.	Grading, 14c. cub. yd.; cobble paving, including gutter-stones, 7¼c. sq. ft.; 5-inch curb and circles, 62½c. lin. ft.; 4½-inch curb and circles, 47½c. lin. ft.; flagstone crossings, including blocks, 28c. sq. ft.; cobble repaving, including gutter-stones, etc., 2¾c. sq. ft.; resetting curb and circles, 7c. lin. ft.; relaying flagstone crossings, 2½c. sq. ft.	June 7, 1899.
317	Wm. Collett and Wm. C. Sherer.	Paving.	Fulton avenue, from Clifton ave. southward.	Maintenance of paving.	Aug. 22, 1898.
138	M. F. Leonard.	Paving.	McElderry street.	Private contract. Street repairs guaranteed.	Sept. 17, 1898.
319	Timothy Bresnan.	Paving.	Montrose street.	Private contract. Street repairs guaranteed.	Sept. 17, 1898.

320	P. Keelty.	Paving.	McEldery street.	Private contract. Street repairs guaranteed.		Oct. 15, 1898.
322	Jos. Gallagher.	Paving.	Kirby's lane.	Private contract. Street repairs guaranteed.		Oct. 1, 1898.
323	M. F. Leonard.	Paving.	Orleans street.	Private contract. Street repairs guaranteed.		Sept. 17, 1898.
324	M. F. Leonard.	Paving.	Intersection of Oliver street, Harford and Central avenues.	Grading, 17c. cub. yd.; cobble paving, including guttter-stones, 6c. sq. ft.; 4-½-inch curb and circles, 17c. lin. ft.; flagstone crossings, including Belgian blocks, 35c. sq. ft.; cobble repaving, including gutter-stones, etc., 3c. sq. ft.; resetting curbs and circles, 7c. lin. ft.; relaying flagstones and Belgian blocks, 1c. sq. ft.		Nov. 10, 1898.
329	F. E. Yewell.	Paving	Portions of St. Paul, 28th, 29th and Calvert streets.	Maintenance of street guaranteed.		Two years after completion of work.
330	Charles Weber, Jr.	Paving.	South half of Montrose street, about 150 feet.	Maintenance of street guaranteed.		Dec. 4, 1898.
333	James P. McGovern.	Paving.	Madison street.	Private contract. St. repairs guarant'd.		May 3, 1899.
335	M. F. Leonard.	Paving.	North avenue.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 5¼c. sq. ft.; 5-inch curbs and circles, 65c. lin. ft.; 4½ in. curb and circles, 47c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; cobble repaving, excluding gutter-stones, etc., 3¼c. sq. ft.; resetting curbs and circles, 7c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.; for new gutter-stones, 24c. lin. ft.		Two years after work is accepted.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
336	M. F. Leonard.	Paving.	Luzerne street.	Grading, 10c. cub. yd.; cobble paving, including gutter-stones, 6½c. sq. ft.; 5-inch curbstones and circles, 65c. lin. ft.; 4½-inch curbstones and circles, 53c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; repaving, including gutterstones, etc., 3c. sq. ft.; resetting curbs and circles, 7c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.	Aug. 5, 1899.
340	J. P. McGovern.	Paving.	Lanvale street.	For grading, 10c. cub. yd.; cobble paving, 6c. sq. ft.; 4½-inch curb, 48c. lin. ft.; flags and Belgian blocks, 34c. sq. ft.; repaving, 2⅜c. sq. ft.; resetting curb, 8c. lin. ft.; resetting flags, 2⅜c. sq. ft.	Nov. 20, 1899.
341	J. P. McGovern.	Paving.	Mount street.	Grading, 10c. cub. yd.; new cobble paving, 5¾c. sq. ft.; 4½-inch curb, 48c. lin. ft.; flags and Belgian blocks, 33c. sq. ft.; repaving, 2¾c. sq. ft.; resetting curb, 6c. lin. ft.; resetting flags, 2c. sq. ft.	Sept. 11, 1899.
342	J. P. McGovern.	Paving.	Northwest street.	Grading, 9c. cub. yd.; cobble paving, 5¾c. sq. ft.; 4½-inch curb, 48c. lin. ft.; flags and Belgian blocks, 33c. sq. ft.; repaving, 2c. sq. ft.; resetting curb, 5c. lin. ft.; resetting flags, 2c. sq. ft.	Dec. 3, 1899.

343	J. P. McGovern.	Paving.	Carey street.	Grading, 12c. cub. yd.; new cobble paving, 5¾c. sq. ft.; 4½-inch curb, 48c. lin. ft.; flags and Belgian blocks, 33c. sq. ft.; repaving, 2½c. sq. ft.; resetting curb, 5c. lin. ft.; resetting flags, 2c. sq. ft.	Two years after work is accepted.
348	P. Reddington.	Paving.	Ridgely street.	For grading, 12c. cub. yd.; cobble paving, including gutter-stones, 7c. sq. ft.; 1½-inch curbstones, 17c. lin. ft.; for flagstone crossings, including Belgian blocks, 32c. sq. ft.; repaving, including gutter-stones, and furnishing all material required to pave area of pavement removed, 3c. sq. ft.; resetting curbstones and circles, 8c. lin. ft.; relaying flagstones and intervening blocks, 6c. sq. ft.	Dec. 7, 1899.
354	H. T. Campbell.	Paving.	Townsend street.	Private contract. Street repairs guaranteed.	June 16, 1899.
355	Pat. Keelty.	Paving.	Register street.	Private contract. Street repairs guaranteed.	April 9, 1899.
357	M. F. Leonard.	Paving.	Alley between 8th and 9th streets; Northwest street and North avenue.	Grading, 23c. cub. yd.; cobble paving, 8½c. sq. ft.; 5-inch curb and circles, 58c. lin. ft.; 4½-inch curb and circles, 48c. lin. ft.; flagstone crossings, including blocks, 35c. sq. ft.; resetting curbstones and circles, 10c. lin. ft.; relaying flagstone crossings, including blocks, 5c. sq. ft.	Two years after acceptance of work
358	H. T. Campbell.	Paving.	Register street and Hopkins avenue.	Private contract. Street repairs guaranteed.	June 17, 1899.
360	D. M. Newbold.	Paving, &c.	Maryland avenue.	Private contract. Street repairs guaranteed.	June 16, 1899.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
362	J. G. Schwind.	Stone.	Stricker street sewer.	Rubble masonry stone, $1.28½ per cub. yd. in place.	Complet'n of work.
363	B. Wallis & Co.	Brick and Cement.	Stricker street sewer.	Vitrified rectangular bricks, $17.00 per thousand; vitrified radial bricks, $18.50 per thousand; Cumberland cement in bags, $1.05 per bbl., with refund of 10c. for each bag returned; Cumberland cement in bbls., $1.20 per bbl., with refund of 5c. for each bbl. returned.	Complet'n of work.
364	Robt. J. Cremen.	Setting Curb.	Presbury and Monroe streets.	Private contract. Maintenance of curb guaranteed.	June 4, 1899.
365	National Building Supply Co.	Cement.	Stricker street sewer.	Porta brand German Portland cement, $2.35 per bbl.; delivered on line of work, with refund of 10c. for each bbl. returned.	Complet'n of work.
367	Jas. R. Busey & Son.	Bricks.	Stricker street sewer.	Hand-made bricks, $6.94 per thousand; Machine-made bricks, $5.70 per thousand.	Complet'n of work.
368	John Muller.	Curbing.	Durham street.	Private contract. Maintenance of work guaranteed.	June 12, 1899.
369	D. M. Larkin.	Sand.	Stricker street sewer.	Seventy cents (70c.) per cubic yard.	Complet'n of work.

370	P. Reddington.	Paving.	Madison street.	Grading, 10c. cub. yd.; cobble paving, 6½c. sq. ft.; 5 inch curbstones and circles, 60c. lin. ft.; 4½ inch curb and circles, 50c. lin. ft.; flagstone crossings, including intervening blocks, 34c. sq. ft.; cobble repaving, including necessary material required, 1c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstone crossings, including blocks, 6c. sq. ft.	Two years after acceptance of work.
372	P. Reddington.	Paving.	Alley between McKim and Hillman streets.	Grading, 20c. cub. yd.; cobble paving, 7c. sq. ft.; 5 inch curbs and circles, 60c. lin. ft.; 4½ inch curbs and circles, 50c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including necessary material required, 1c. sq. ft.; resetting curbs and circles, 7c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Two years after work is accepted.
375	J. P. McGovern.	Paving.	Calhoun street.	Grading, 11½c. cub. yd.; cobble paving, 5¾c. sq. ft.; 4½ inch curb, 48c. lin. ft.; flags and Belgian blocks, 33c. sq. ft.; repaving, 2½c. sq. ft.; resetting curb, 5c. lin. ft.; resetting flags, 2½c. sq. ft.	Two years after work is accepted.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish	For	Price.	Expires. (Including Guaranties.)
377	The Maryland Pavement Co.	Paving.	Patterson avenue.	For asphalt block paving, including grading, and taking up of the old cobblestone pavement, flagstones, gutterstones, and 4½ inch curbstones, also furnishing concrete base, sand, and rolling as per specifications, $2.25 per sq. yd.; for new 4½ inch curb, set, 65c. lin. ft.; new 4½ inch curb circles, set, $1.30 lin. ft.; old 4½ inch curb and circles, dressed, rejointed and reset, 30c. lin. ft.; new 6 inch curb, 89c. lin. ft.; new 6 inch circles, $1.47 per lin. ft.; old 6 inch curb and circles, dressed, jointed and reset, 30c. lin. ft.; resetting curb and circles, 15c. lin. ft.; new 10-inch gutterstones, including concrete base, 35c. lin. ft.; cobblestone repaving in cross streets, 5c. sq. ft.	Nov. 17, 1902.
378	J. P. McGovern.	Paving.	Mulberry street.	For grading, 15c. cub. yd.; cobble paving, 6½c. sq. ft.; 4½ inch curb and circles, 52c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; repaving, including all material required, 3½c. sq. ft.; resetting curbs and circles, 8c. lin. ft.	Two years after work is accepted.
380	Jos. Hampson, Jr.	Curbing.	Vincent alley.	Private contract. Maintenance of work guaranteed.	Dec. 17, 1899.

381	P. Reddington.	Paving.	Twenty-third street.	Grading, 15c. cub. yd.; cobble paving, including gutterstones, 6½c. sq. ft.; 5-inch curbstones and circles, 60c. lin. ft.; 4½-inch curbstones and circles, 50c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including gutterstones and furnishing all material required, etc., 3¾c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Two years after acceptance of work.
382	P. Reddington.	Paving.	Castle street.	Grading, 12c. cub. yd.; cobble paving, including gutterstones, 6½c. sq. ft.; 5-inch curbs and circles, 60c. lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstone crossings, including blocks, 24c. sq. ft.; cobble repaving, including gutterstones, and furnishing all material required, etc., 3½c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Two years after acceptance of work.
383	Wm. Collett & Co.	Paving.	Fulton avenue.	Private contract; maintenance of work guaranteed.	Dec. 22, 1899.
384	Jas. P. McGovern.	Removing curb.	North and Fulton avenues.	Private contract; maintenance of work guaranteed.	Oct. 5, 1899.
385	Wm. Collett & Co.	Curbing.	Fulton avenue.	Private contract; maintenance of work guaranteed.	July 21, 1899.
387	P. Reddington.	Paving.	Little Forrest street.	Grading, 20c. cub. yd.; cobble paving, 7c. sq. ft.; 5-inch curbs and circles, 60c. lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including gutterstones, and all material required, etc., 3½c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.; repaving granite block pavement, 4½c. sq. ft.	Sept. 1, 1899.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
388	E. J. Storck.	Setting curb.	Townsend street.	Private contract; maintenance of work guaranteed.	Aug. 16, 1899.
389	C. E. Spalding.	Paving.	Alleys.	Private contract; maintenance of work guaranteed.	Sept. 11, 1899.
390	John Muller.	Paving.	Townsend street and Hopkins avenue.	Private contract; maintenance of work guaranteed.	Oct. 10, 1899.
391	J. P. McGovern.	Paving.	Scott street.	Grading, 10c. cub. yd.; cobble paving, including gutterstones, 6½c. sq. ft.; 5-inch curbs and circles, 60c. lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstone crossings, including gutter-stones and furnishing all material required, etc., 3c. sq. ft.; relaying flagstone crossings, 5c. sq. ft.	Two years after work is accepted.
393	E. S. Hampson.	Paving.	St. Paul street.	Private contract. Street repairs guaranteed.	
394	P. Reddington.	Paving.	Girard avenue.	Grading, 10c. cub. yd.; new cobble paving, including gutter-stones, 6½c. sq. ft.; 5-inch curbstones and circles, 60c. lin. ft.; 4½-inch curbstones and circles, 50c. lin. ft.; flagstone crossings, including intervening blocks, 32c. sq. ft.; cobble repaving, including gutter-stones and furnishing all material required, etc., 3c. sq. ft.; resetting 4½-inch curbs and circles, 7c. lin. ft.; resetting 6-inch curbs and circles, 8c. lin. ft.; relaying flagstone crossings, 1c. sq. ft.	Two years after work is accepted.

395	P. Reddington.	Paving.	Pulaski street.	Grading, 12½c. cub. yd.; cobble paving, 6c. sq. ft.; 5-inch curbstones and circles, 60c. lin. ft.; 4½-inch curbstones and circles, 50c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; cobble repaving, including gutterstones and all material required, etc., 3c. sq. ft.; resetting curbstones and circles, 7c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.	Two years after work is accepted.
396	P. Reddington.	Paving.	Payson street.	Grading, 12½c. cub. yd.; cobble paving, including gutter-stones, 6c. sq. ft.; 5-inch curbstones and circles, 60c. lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; cobble repaving, including gutter-stones and furnishing all material required, etc., 3½c. sq. ft.; resetting curbs and circles, 7c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.	Two years after work is accepted.
397	J. P. McGovern.	Paving.	Twenty-first street.	Grading, 18c. cub. yd.; cobble paving, 7c. sq. ft.; 4½-inch curbstones and circles, 50c. lin. ft.; cobble repaving, including gutterstones, and all material required, etc., 3c. sq. ft.; flagstone crossings, including blocks, 32c. sq. ft.; resetting curbstones and circles, 8c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.	Sept. 30, 1899.
398	B. Wallis & Co.	Cement.	Clifton ave. sewer.	Saylor's Portland Cement, $2.25 per bbl.; Alpha Portland Cement, $2.25 per bbl.; Vulcanite Portland Cement, $2.25 per bbl.; Germania Portland Cement, $2.60 per bbl.; Burham Portland Cement, $2.34 per bbl.	Completion of work.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
399	National Building Supply Company.	Cement.	Clifton ave. sewer.	Cumberland and Potomac Cement and National Cement, 51½c. per bag; Porta Portland Cement, $2.35 per bbl.; with refund of 10c. for each bag or bbl. returned in good order.	Completion of work.
400	Smith & Schwarz Brick Company.	Bricks.	Clifton ave. sewer.	Hand-made bricks, $6.90 per thousand.	Completion of work.
401	J. N. DuBarry, Jr., & Co.	Bricks & Cement.	Clifton ave. sewer.	Vitrified bricks for inverts, $18.25 per thousand; Union Brand Cement, in bags, 47c. per bag; Union Brand Cement, in barrels, $1.14 per bbl.; with refund of 5c. for each bag and 10c. for each barrel returned in good order.	Completion of work.
402	P. Reddington.	Paving.	Kirby's lane.	Grading, 15c. cub. yd.; cobble paving, including gutterstones, 6c. sq. ft.; 5-inch curbstones and circles, 60c. lin. ft.; 4½-inch curbstones and circles, 50c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; cobble repaving, including gutterstones, and furnishing all material required, etc., 3c. sq. ft.; resetting curbstones and circles, 8c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Two years after work is accepted.

403	P. Reddington.	Paving.	Richardson street.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 7c. sq. ft.; 5-inch curbs and circles, 60c. lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including gutter-stones and all material required, etc., 3c. sq. ft.; for resetting curbstones and circles, 8c. lin. ft., relaying flagstone crossings, 6c. sq. ft.	Two years after work is accepted.
405	J. P. McGovern.	Paving.	Durham street.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 7c. sq. ft.; 5-inch curbstones and circles, 70c. lin. ft.; 4½-inch curbstones and circles, 50c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; repaving cobble pavement, including gutterstones, and furnishing all material required, etc., 3½c. sq. ft.; resetting curbs and circles, 10c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Two years after work is accepted.
406	P. Reddington.	Paving.	Alley rear north side of Falls road.	Grading, 20c. cub. yd.; cobble paving, 8c. sq. ft.; 4½-inch curb and circles, 50c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; repaving cobble pavement, including gutterstones and all material necessary, etc., 3c. sq. ft.; resetting curbs and circles, 7c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Two years after work is accepted.
407	Jas. R. Busey & Son.	Brick.	Clifton avenue sewer.	Machine-made brick for interior work, $6.70 per thousand; machine-made brick for backing, $6.10 per thousand.	Completion of work.

CONTRACTS IN FORCE, ETC.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
408	D. A. Leonard.	Stone.	Clifton avenue sewer.	Stone delivered and accepted, $1.34 cub. yd.	Completion of work.
409	P. Reddington.	Paving.	23½ street.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 7½c. sq. ft.: 5-inch curbs and circles, 60c. lin. ft.: 4½-inch curbs and circles, 50c. lin. ft.: flagstone crossings, including blocks, 34c. sq. ft.; for cobble repaving, including gutter-stones and other necessary material, 3c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Oct. 9, 1899.
410	Frank Slingluff.	Grade and Macadamize.	Clifton avenue.	Street repairs guaranteed for two years.	Nov. 15, 1899.
411	B. F. Knight.	Paving.	Francis street.	Private contract. Street repairs guaranteed.	Oct. 2, 1899.
413	P. Reddington.	Paving.	Alley rear of O'Donnell street.	Grading, 15c. cub. yd.; cobble paving, including gutter-stones, 7½c. sq. ft.; 5-inch curb and circles, 60c. lin. ft.; 4½-inch curb and circles, 55c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including gutter-stones and other material required, 3c. sq. ft.; resetting curbs and circles, 10c. lin. ft.; relaying flagstone crossings, 6c. sq. ft.	Nov. 15, 1899.

415	John Muller.	Paving.	Hopkins avenue.	Private contract. Street repairs guaranteed.	Nov. 22, 1899.
416	P. Reddington.	Paving.	Druid Hill avenue.	Grading, 20c. cub. yd.; cobble paving, 7½c. sq. ft.; 5-inch curbstones and circles, 60c. lin. ft.; 4½-inch curbstones and circles, fifty (50) cents lin. ft.; flagstones, 34c. sq. ft.; cobble repaving, 3c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flagstones, 6c. sq. ft.	Two years after acceptance of work.
417	J. P. McGovern.	Paving.	Marshall street.	Grading, 25c. cub. yd.; cobble paving, 7½c. sq. ft.; 5-inch curbs and circles, 60c. lin. ft.; 4½-inch curbs and circles, 50c. lin. ft.; flagstones, 32c. sq. ft.; cobble repaving, 3½c. sq. ft.; resetting curbs and circles, 10c. lin. ft.	Two years after acceptance of work.
418	M. F. Leonard.	Paving.	Collington avenue.	Grading, 10c. cub. yd.; cobble paving, 6c. sq. ft.; 5-inch curbs and circles, 59c. lin. ft.; 4¼-inch curbs and circles, 49c. lin. ft.; flagstones, 32c. sq. ft.; cobble repaving, 3c. sq. ft.; resetting curbs and circles, 8c. lin. ft.; relaying flags, 4c. sq. ft.	Two years after acceptance of work.
419	J. P. McGovern.	Paving.	Friendsbury place.	Private contract. Maintenance of paving guaranteed.	Two years after work is accepted.
420	Harrison Building Association.	Paving.	Bethel street.	Private contract. Maintenance of paving guaranteed.	Two years after work is accepted.
421	Randolph Forrester.	Setting Curb.	North avenue.	Private contract. Maintenance of curb guaranteed.	Dec. 6, 1899.
422	Jacob Saum.	Setting Curb.	Fulton avenue.	Private contract. Maintenance of curb guaranteed.	Dec. 11, 1899.
423	R. B. Tippett.	Grading.	Thirteenth street.		

CONTRACTS IN FORCE, Etc.—Continued.

No.	Contractor.	To Furnish.	For.	Prices.	Expires, (Including Guaranties).
425	J. P. McGovern.	Paving.	Mosher street.	Private contract. Maintenance of paving guaranteed.	Two years after work is accepted.
426	J. P. McGovern.	Paving.	Twenty-first street.	Grading, 17c. cub. yd.; cobble pavement, 6½c. sq. ft.; 5-inch curbstones and circles, 60c. lin. ft.; 4½ inch curbstones and circles, 50c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; cobble repaving, including gutterstones, etc., 3c. sq. ft.; resetting curbs and circles, 10c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.	Two years after work is accepted.

Streets.	From.	To.	Remarks.
Alley	Eighth street	9th street	
Alley	McKim street	Hillman street	
Ashland avenue	Washington street	Chester street	
Barclay street	27th street	31st street	
Barclay street	31st street	Merryman's lane	
Barney street	Covington street	Jackson street	
Barre street			At street's intersection.
Brice alley	Lafayetttte avenue	Lanvale street	
Beech avenue	1st avenue	2d avenue	
Bolton street	Newington avenue	Whitelock street	
Barre street	Howard street	110 feet westward	Re-establishment
Butcher's lane	North avenue	Pennsylvania avenue	
Bayard street	Paca street	Columbia avenue	
Calvert street	28th street	31st street	
Calvert street	27th street	28th street	
Covington street	Randall street	Wells street	
Castle street	Monument street	Eager street	
Clifton avenue	15th street	15th street	
Clifton avenue	8th street	13th street	
Carroll street	Bayard street	Stockhlm street	
Cleveland street	Bayard street	Stockholm street	
Carey street	Columbia avenue	Nanticoke street	Re-establishment.
Chestnut avenue	3d avenue	4th avenue	
Caldwell street	Chestnut avenue	Cedar avenue	
Carroll avenue	3d avenue	Southward	
Cedar avenue	1st avenue	4th avenue	
Durham street	Lanvale street	Townsend street	
Durham street	Townsend street	North avenue	

Streets.	From	To	Remarks.
Elm street	4th avenue	5th avenue	
Eighth street	Clifton avenue	Beech avenue	
Elm avenue	3d avenue	4th avenue	
Fifth avenue	Roland avenue	Elm avenue	
Fairmount avenue	Patapsco street	Eastern city limits	
Friendsbury Place	Baker street	Pressbury street	
Fulton avenue	Pennsylvania avenue	Druid Hill avenue	
First avenue	Chestnut avenue	Beech avenue	
Fourth avenue	Roland avenue	Elm avenue	
Fourth avenue	Chestnut avenue	Cedar avenue	
Guilford avenue	27th street	31st street	
Howard street	100 feet	North and South	
Huntingdon avenue	28th street	30th street	
Hopkins street	Lanvale street	Townsend street	
Heath street	Covington street	Jackson street	
Howard street			At street's intersection.
Linden avenue	North avenue	Konig street	
Lovegrove alley	26th street	27th street	
Lanvale street	Broadway	Wolfe street	
Marshall street	Fort avenue	Beverlin street	
Monroe street	Pressbury street	Northwest street	
Monroe street	Lorman street	Baker street	Re-establishment.
Mosher street	Fulton avenue	Pulaski street	
McCulloh alley	Presstman street	Gold street	
Mason alley	Ducatel street	Whitelock street	
Millington avenue	London avenue	Young street	
North avenue	9th street	10th street	
Ninth street	Clifton avenue	Beech avenue	

Nanticoke street	Bayard street	Stockholm street	
Oliver Place	Roland avenue	Hickory street	
Oxford street	York road	Reese street	
Park Terrace	Madison avenue	Druid Hill avenue	
Presbury street	Friendsbury street	Monroe street	
Presstman street	Fulton avenue	Monroe street	
Preston street	Potomac street	Canton avenue	
*Barre street	Howard street	Sharp street	
Potomac street	Preston street	Hoffman street	
Payson street	Baltimore street	Fayette street	
Pulaski street	Baltimore street	Lexington street	
Roland avenue	4th avenue	5th avenue	
Register street	Lanvale street	Townsend street	
Riggs avenue	Fulton avenue	Payson street	
Rayner avenue	Bloomingdale road	6th street	
Scott street	Stockholm street	Ridgely street	
St. Paul street	Huntingdon avenue	27th street	
Seventh street	Clifton avenue	Chestnut avenue	
Slingluff avenue	Clifton avenue	Chestnut avenue	
Second avenue	Chestnut avenue	Beech avenue	
28th street	St. Paul street	Calvert street	
29th street	St. Paul street	Guilford avenue	
30th street	St. Paul street	Guilford avenue	
31st street	Charles street	Guilford avenue	
28th street	Calvert street	York road	
29th street	Guilford avenue	York road	
30th street	Guilford avenue	York road	
31st street	Guilford avenue	York road	
27th street	Charles street	St. Paul street	Re-establishment.
28th street	Charles street	St. Paul street	Re-establishment.
27th street	Charles street	Maryland avenue	Re-establishment.
28th street	Charles street	Maryland avenue	
23½ street	Barclay street	Guilford avenue	
21½ street	Barclay street	Guilford avenue	

GRADES ESTABLISHED DURING 1897.

Streets.	From	To	Remarks.
10th street	Clifton avenue	Beech avenue	
13th street	Clifton avenue	North avenue	
Third avenue	Chestnut avenue	Cedar avenue	
Third avenue	Roland avenue	Chestnut avenue	
Washington street	North avenue	Clifton Park	
Washington street	North avenue	Clifton avenue	Re-establishment.
Windsor Mill road	Liberty road	Western city limits	
Whitelock street	Linden avenue	Callow avenue	
Walbrook avenue	8th street	13th street	
Ward street	Bayard street	Stockholm street	

COST OF MAINTAINING STREETS IN BALTIMORE PAVED WITH MOSAIC BLOCKS, JANUARY 1, 1898.

Street.	From.	To.	Completed.	Length of Guaranty.	Guaranty Expires.	Linear Feet.	Area in sq. yds.	Original Cost.	Cost per sq. yd.	Cost Repairs per sq. yd.
Park ave...	Lexington st.	Saratoga street.	May 5, 1894	2 years.	May 5, 1896	428	909	$1,590 75	$1 75	No repairs.
Madison st..	Washington place.	Eutaw st.	Aug. 18, 1894	2 years.	Aug. 18, 1896	1,539	6,200.18	10,850 32	1 75	No repairs.
York st.....	Light st.....	Johnson street.	June 26, 1896	5 years.	June 26, 1901	787.62	.....	2,617 61	1 56	No repairs.

NOTES.

Park avenue, from Lexington street to Saratoga street, has never been repaired, and does not need any. Paved on sand base.

Madison avenue, from Washington Place to Eutaw street, has never been repaired, and does not need any. Paved on sand base.

York street, from Light street to Johnson street, has never been repaired, and does not need any. Paved on sand base.

Above-named streets all in good condition.

Mileage on Mosaic pavements in Baltimore = 0.5220 of a mile.

COST OF MAINTENANCE OF STREETS PAVED WITH VITRIFIED BRICKS.

Street.	From.	To.	Completed.	Linear Feet.	Area in Sq. Yds.	Original Cost.	Cost per Sq. Yd.	Cost of repairs to '98.	Cost of repairs per sq. yd. per year.	Manufacturers of Bricks.
Morton al.	Eager st.....	Chase st.....	1881	344	944	$1,699 20	$1 80	.....	.....	U. S. Fire Clay Co.
Biddle st.	Calvert st....	Hargrove al..	1891	136.94	601.01	1,081 83	1 80	.....	.....	" " "
Biddle st.	Calvert st....	Hunter's al....	1891	109.83	482.03	867 66	1 80	.....	.....	" " "
Chase st..	St. Paul st....	Cathedral st..	6-27, 1892	979	4520.27	8,136 49	1 80	.....	.....	" " "
St. Paul st	Btw. 23d and	24th sts.	12- 3, 1892	205	555.32	1,249 47	2 25	.....	.....	Hallwood—blocks.
Broadway	Baltimore st..	Fairmount av.	12-12, 1892	345	996.84	2,990 52	3 00	$209 24	.07	Welsh, Gloninger & Maxwell.
St. Paul st	Biddle st.....	Preston st....	11-11, 1893	322	1412.98	3,566 32	2 5239	.....	.....	" " "
Chase st..	Calvert st....	Hunter's al....	11-27, 1893	147	645	1,741 50	2 70	.....	.....	" " "
Biddle st.	St. Paul st....	Hargrove al..	11-26, 1894	122	529	1,943 72	3 6744	.....	.....	" " "
Park av..	Reservoir.....	Newington pl.	12-16, 1897	593.32	3836.5	6,629 28	1 7357	.....	.....	D. P. Guise—bricks
Fayette st	In front Ford's Opera House		.....	83.20	104.92	.....	.....	.....	.....	Mineralized Pav'g Block, Massilon, O.
				3387.29	14627.87	$29,905 99				

Mileage of streets paved with Vitrified Bricks=.6415 of a mile.

Baltimore, January 1, 1898.

COST OF THE GRANITE BLOCK PAVING IN THE CITY OF BALTIMORE, AND COST OF REPAIRS TO SAME FOR THE YEAR 1897

Street	From	To	Completed	Lineal Feet	Area in Sq Yds	Original Cost	Cost Per Yard	Cost of Repairs in 1897.	Work Done By	Remarks.
Light st...	Pratt st...	Lee st.	12, 1871	1571	5292	$13,124 16	$2.48	$1,349 32	J. E Esbach	Paving only.
Liberty st...	Lombard st.	Lexington st								
Park ave...	Liberty st..	Fayette st.	1875	2490	12533	31,207 17	2.49	60 10	T. J. Osburn	"
Howard st...	Camden st..	Lombard st.								
P. O. ave.	Baltimore st..	Water st		390	818 5	1,939 85	2.37		John Hough	"
Randall st.	Johnson st.	Covington st.	1876	400	1710.9	4,602 32	2.69		John Hough.	"
Water st.	South st.	Gay street.	1876	550	1739.5	6,053 25	3 50		B. F. Camp & Co.	"
North st.	Baltimore st..	Fayette st.	1876	240	848.6	2,036 61	2 40		Leo Esbach	"
South st.	Baltimore st..	Pratt st.	1876	1040	1436.7	10,648 08	2.40	2 11	Leo Esbach	"
Fayette st.	Eutaw st.	Howard st.	1877	375	730	1,595 01	2.185		McGovern & Anderson	"
Baltimore st	Harrison st.	Greene st.	1877	4730	21292	53,123 54	2.4952	19 86	John Hough	"
Lombard st	South st.	Hanover st.	1877	1500	5578	17,570 70	3.15		Camp & Loane	"
W. Falls ave	Pratt st.	Water line.	1877	2170	7021	13,690 95	1.95		Daniel Haggerty	"
Pratt st.	Jones Falls.	Howard st.	1878	4100	18820	53,637 00	2 85	25 52	J. G. Loane & Co.	"
Fayette st.	Holliday st.	Gay street.	1878	390	1339	2,329 86	1 74		McGovern & Anderson.	"
St. Paul st.	Baltimore st	Lexington st.	1878	530	916	1,646 04	1 74		McGovern & Anderson.	"
Calvert st.	Approaches to	Bridge.	1880	140	560					No records
W. Falls ave	Pratt st.	Lombard st.	1880	360	1200					"
Light st.	Baltimore st..	Pratt st.	1881	1050	6862					"
Sharp st.	Baltimore st..	Pratt st.	1882	1060	1199	11,547 25	2 75		J. G. Loane & Co.	Paving only
Calvert st.	Pratt st.	Madison st.	1882	4330	18902	51,980 50	2 75	12 95	J. G. Loane & Co.	"
Gay st.	Pratt st	Aisquith st.	11-21, 1882	4830	17439	47,957 25	2 75	14 94	J. G. Loane & Co.	"
Howard st	Lombard st.	Centre st	9-11, 1882	3175	17301	45,343 84	2 62088	237 62	Day's labor	"
Charles st.	Chase st.	North ave.	12- 6, 1882	3152	12560	32,506 54	2 5881		"	"
North ave	Intersection	Maryland ave	1882	150	591	1,586 84	2 685		"	"
Block st.	W. Falls ave.	Drawbridge.	3-21, 1883	593	2123 8	6,221 17	2 5667		"	"
Baltimore st.	Greene st.	Gilmor st.	7-12, 1883	5348.7	27305 5					
Baltimore st.	Harrison st.	Bridge.	5- 9, 1883							
						59,674 86	2.1552	7 20	Day's labor	Paving only.
Baltimore st	Bridge	Broadway	7-21, 1883	3509	15572	39,302 17	2.5239		"	"
Eutaw st.	Camden st.	Madison st.	10-17, 1883	1973	21519	63,141 08	2.57519	6 12	"	"
Boundary	Canton ave.	Bulkhead.	9- 5, 1883	1301	8387	21,270 13	2.53585	3.3 19	"	"
Camden st	Eutaw st.	Howard st		380						
Camden st	Light st.	Charles st.	9-27, 1883	42 7	1811 5	4 598 09	2 5390			
Lexington st.	Eutaw st.	Pearl st.	1883	2000	8233	21,195 86	2 5745	20 55	Day's labor	Paving only.
Louisiana ave	Eutaw st.	Pearl st.								
Charles st	Conway st.	Mt. Vernon Place	1884	1660	16790	43,693 27	2.602339	8 55		
Madison st	Eutaw st.	North ave	7-18, 1884	5830	25 20	42,093 22	2.452	21 57		"
Lexington st	Charles st.	Eutaw st.	10 2, 1884	1620	5563	13,964 20	2.510			"
Charles st.	Conway st.	Barre st.	8-28, 1885	390	1211	2,698 02	2 222			
Hanover st.	Baltimore st	Camden st.	11-10, 1885	1415	5948	11,647 77	2 093	19 25		
German st	South st.	Charles st.			3980	8,099 78	2.035			
German st.	Charles st.	Sharp st.	1885	2770	1662	3,790 57	2.028	16 80		
German st.	Sharp st.	Eutaw st.			2635	5,418 93	2.056			
Franklin st.	Charles st.	Howard st.	11-25, 1885	1160	5684	12,117 03	2.131			
Liberty st.	Saratoga st.	Lexington st.	5-24, 1886	520	2076	4,701 30	2.264			
Saratoga st.	Charles st.	Cathedral st.	6-10, 1886	150	1618	3,658 06	2.260			
Falls road.	Maryland ave	Md. Cent. Depot.	12-3, 1889	703	2339 5	9,602 57	4.104		Day's labor	Everything.
Cathedral st.	Centre st.	Monument st.	8-21, 1889	250	1078.9	2,693 41	2.496			Paving only
Madison st	North ave.	Druid Hill Park.	1890	2156.67	4528	14,873 30	3.284			All expenses
Cathedral st.	Madison st	Mt. Roval ave.	1890	2526.46	11140	36,946 34	3.307			
Dolphin st.	Eutaw pl.	Madison st.	1890	140	1801	4,405 72	2.444		Louis Schmidt	Paving only
Monument st.	Park ave.	Howard st	1890	390	1630	3,960 90	2.643		Day's labor	Paving and gutterstone.
Cathedral st	Saratoga st	Centre st.	1891	1150	5155	15,928 95	3.09			Paving only
Cathedral st	Mt. Royal ave	Oliver st.	1891	445	2455	9,191 05	3.742			All expenses.
Columbia ave	Pace st	Bush st.	12-11, 1892	5460	20389	99,555 36	4.881	112 45		
Penn. ave	Franklin st	North ave	7 1, 1893	7643 2	29692	132,093 32	4.684	2 11		
Hanover st	Camden st.	Fort ave	11 25, 1893	1641	17913	101,516 97				
Calvert st	Madison st	Read st.	6 16 1893	386	651	9,975 59	14.974			
Lexington st	Harrison st.	Aisquith st.	1893	1660						
Druid Hill ave	Gilmor st.	Bentalou st.	10-24, 1893	5499	12788	75,511 05	5 067	51 01	Day's labor	all expenses
Eager st	Guilford ave	Cathedral st.	9-2, 1893	1115	5797	30,754 02				
Read st	Calvert st.	Cathedral st	6 17 1893	1126	3450	21,797 15	6.318			
Concord st	Pratt st.	Union dock.	12 23 1893	1163	5145	41,109 39	7.550			
Maryland ave.	North ave.	Twenty-fifth st	1893	2376 25	9966 5	25,314 91	2.54		P Reddington	Paving only
Poppleton st.	Columbia ave	Lexington st	6 1, 1895	2780	11491.5	51,210 09	4.455			All expenses
Light st.	Lee st.	Fort ave								
Hill st	Light st.	Charles st	6 30 1893	1801 6	15262 8	91,813 23	6 010			
Montgomery st.	Light st	William st								
St. Paul st.	Lexington st	Monument st	10-21 1891	2271 0	7050.3	48,336 11	6.855	9 04		
Boston st.	Chester st	East city limits	8 18, 1894	5363 4	20180	96,021 72	4 758	9 42		
Pratt st.	Howard st	Frederick ave	12-27, 1894	9375	31911	158,186 58	4 9597			
Gay st	Aisquith st	North ave	10 25, 1894	7317	13021	95,061 12	7 30			
Holliday st	Lexington st	Hillen st								
Hillen st	Holliday st	Ensor st.	1 9, 1895	8355	22828	149,258 57	6 099			
Forrest st	Hillen st	Greenmount av								
Greenmount ave	Forrest st	North ave.								No records
Fayette st.	Calvert st	Liberty st.	5 17, 1895	1466		10,789 53		13 09		
Fort ave.	Light st	Lawrence st	6-28, 1895	1955	8587	72,094 19	8 397			
Aliceanna st.	Caroline st	Boston st.	10-26, 1896	2933	12330	23 127 18	1 90		I. S. Filbert	Paving only
Mt. Royal ave.	Dolphin st	Lanvale st		367	2438 2	5,659 66	2 19			
Whitelock st.	Linden ave	Eutaw pl.	10-3, 1896	333.6	1352 6	3,381 65	2 50		Pat Keelty	
North ave	Bridge and	Approaches	1896	1220	8123	19,492 16	2 375		Louis Schmidt	
North ave.	Mt. Roval ave	Park Gate		60	600			6 00		No records
Lombard st.	West side mar ket space	East market space	1883	115	221 3					
				16500.7 9				2,892 47		

Note—Monument street, Mount Royal avenue and Whitelock street were paved under private contracts and are not included

COST OF MAINTAINING STREETS PAVED WITH ASPHALT BLOCKS, FROM EXPIRATION OF GUARANTEE TO JANUARY 1, 1898.

Ref. No.	Streets.	From.	To.	Completed.	Guarantee, years.	Linear feet.	Area in square yards.	Original cost.	Cost per square yard.	Cost of repairs to 1898.	Cost of Repairs per year per sq. yd.
1	Charles	Madison	Chase	1881.		1,285	6,862	$17,155 00	$2.50	$7,728 37	$0.068
2	Calhoun	Edmondson ave.	Harlem ave.	April 13,'83	2 yrs.	460	1,945	4,862 50	2.50	2,123 90	0.085
3	Eutaw pl.	Dolphin	North ave.	July 26,'83	"	4,640	22,857	57,198 50	2.50	18,089 16	0.058
4	Cathedral	Mt. Vernon pl.	Madison	April 12,'84	"	280	1,191	2,977 50	2.50	2,247 51	0.1633
5	Washington pl.	" "	"	May 10,'84	"	470	4,303	10,757 50	2.50		
6	Mt. Vernon pl.	W.S.Washing'n pl.	Cathedral	June 11,'84	"	355	1,898	4,745 00	2.50	284 70	0.0013
7	Madison	" "	Eutaw	May 4,'85	"	1,540	7,056	17,640 00	2.50	1,160 57	0.0235
8	Monument	Park ave.	Cathedral	June 4,'85	"	581	2,585	6,462 50	2.50	41 52	
9	Fish Market	E. Market Space	Jones Falls	June 21,'86	"	247	1,617	4,042 50	2.50	49 00	
10	Streets around		Eastern Market.	July 22,'86	"	910	3,653	9,132 50	2.50	1,745 63	0.0503
11	Fulton ave.	Baltimore	Edmondson ave.	Aug. 23,'87	"	2,500	9,269.7	23,174 25	2.50		
	" " "	Edmondson ave.	Presstman	June 1,'88	"	3,700	21,668	54,170 00			
12	Lafayette ave.	Eutaw pl.	Fulton ave.	Oct. 23,'92	"	5,990	24,835.75	62,089 38	2.50		
13	Streets around	Lafayette Square	Arlington ave Carrollton ave Lanvale	Nov. 17,'92	"	1,274	5,394.98	13,437 45	2.50		
14	Lexington	Pearl	Fulton ave.	May 20,'93	"	5,893	25,083.32	62,708 29	2.50	37 40	
15	Saratoga	Cathedral	Fremont ave.	Aug. 8,'93	"	3,966	16,152	40,380 25	2.50	20 68	
16	Eutaw	Madison	Dolphin	Sept. 13,'93	"	1,979	9,011.33	22,528 33	2.50	1 77	
17	St. Paul	Monument	North ave.	Nov. 4,'93	"	6,339	16,120.18	40,300 50	2.50		
18	Lafayette ave.	Mt. Royal ave.	Eutaw pl.	Dec. 2,'93	"	1,852	8,003.39	20,008 48	2.50		
19	McCulloh	Biddle	Lanvale	June 1,'94	"	1,778	7,458.57	18,646 43	2.50		
20	Pearl	Baltimore	Saratoga	Oct. 9,'96	5 yrs.	1,287	4,510.94	9,518 08	2.11		
21	Mt. Royal ave.	Lanvale	North ave.	Oct. 26,'96	"	1,626	11,546.74	28,835 94	2.0648		
22	McCulloh	Eutaw	Biddle	Dec. 15,'96	"	882	4,070.87	8,223 16	2.02		
23	Patterson ave.	Fremont ave.	Fulton ave.	Nov. 17,'97	"	2,542	11,264.80	25,345 80	2.25		

NOTES ON ASPHALT BLOCK PAVEMENTS.

No. 1—Charles street, Madison to chase. This street is paved with the lime-stone blocks, on a sand base, north of Read street, the traffic is heavy and constant, the Baltimore City Passenger Railway Company having car tracks on this street, and along the rails the blocks needed constant repairs until a toothing of granite blocks was put in. The pavement needs repairing very much.

No. 2—Calhoun street, Edmondson avenue to Harlem avenue, was originally paved with lime-stone blocks, on a sand base, and for some time the traffic was heavy and constant, as it was used by the Harlem Bus Company. In 1894 the street was in such a condition that it was found necessary to repave the whole street; all old blocks found to be good were repaved, and where new ones were used, they were the trap-rock block. The street is now in fair condition. Traffic medium.

No. 3—Eutaw Place, Dolphin street to North avenue, was paved with the lime-stone blocks, on a sand base. The street at times is subject to a heavy traffic; was repaired in 1897. Is now in fair condition. The west side may need some repairing in 1898.

No. 4—Cathedral street, Mt. Vernon place to Madison street. This street is paved with the lime-stone block, on a sand base, and for some time was subject to heavy traffic. The last repairs made to this pavement was in the fall of 1897. At present the street is in fair order. Traffic now medium.

No. 5—Washington Place, Mt. Vernon Place to Madison street. This street is paved with the lime-stone blocks, on a sand base. Can find no record of repairs. Traffic very light.

No. 6—Mt. Vernon Place, west side Washington Place to Cathedral street. This street is paved with lime-stone block, on a sand base. The traffic is very light. Can find no records of repairs until summer of 1897.

No. 7—Madison street, from Washington Place to Eutaw street. This street was originally paved with the lime-stone block, on a sand base, but on account of the constant repairs and the heavy traffic it was found necessary in the summer of 1894 to tear the asphalt blocks up and repave the entire street with a mosaic block; since then the pavement has never been repaired.

No. 8—Monument street, Park avenue to Cathedral street. This street is paved with the lime-stone blocks, on a sand base. The traffic on the street is not very heavy, so the cost for repairing is light. At the present time the pavement is in fair condition.

No. 9—Fish Market space, from E. Market space to Jones' Falls, is paved with the lime stone blocks, on a sand base. Last repairs made in 1897. Could not find any charges prior to that date. Traffic heavy.

No. 10—Streets around Northeastern Market. These streets are paved with the lime-stone block, on a sand base, and are used for market purposes. Last repairs were made in 1897. Traffic medium. Will need repairs in 1898.

No. 11—Fulton avenue, from Baltimore to Presstman street. Was paved from Baltimore street to Edmondson avenue in 1887, and from Edmondson avenue to Presstman street in 1888. The

traffic on this avenue is very heavy. The blocks are the lime-stone blocks, but when it was repaired in 1896 trap-rock blocks were used. Will need some small repairs in 1898.

No. 12—Lafayette avenue, from Eutaw place to Fulton avenue, is paved with the lime-stone blocks, on a sand base. The pavement has never been repaired, but needs repairing now. The traffic is very heavy on portions of the avenue—between Fulton avenue and Pennsylvania avenue.

No. 13—Streets around Lafayette Square, (Arlington avenue, Carrollton avenue and Lanvale street). These streets are in good condition, have never been repaired and do not need repairing at the present time. Traffic medium.

No. 14—Lexington street, from Pearl street to Fulton avenue. This street is paved with the lime-stone blocks, on a sand base. The block from Pearl to Pine street is used for market purposes. Traffic on this street medium, but constant. Last repairs in 1897.

No. 15—Saratoga street, from Cathedral street to Fremont street. The blocks in this pavement are the trap-rock blocks, paved on a sand base. In 1896 the pavement was torn up by the Maryland and Columbia Boulevard R. R. Co. in order to lay their tracks, and the pavement has never been in good order since. One cause for this is that the R. R. Co. used the standard steam gauge track, and as vehicles cannot "track," they wear a rut alongside the rail. Traffic at times heavy. Will need some repairs in 1898.

No. 16—Eutaw street, from Madison street to Dolphin, is paved with the trap-rock block, on a sand base. The pavement is in good condition. Traffic light.

No. 17—St. Paul street, Monument street to North avenue. The street is paved with trap-rock blocks and is in good order at the present time. Traffic on this street is medium.

No. 18—Lafayette avenue, from Mt. Royal avenue to Eutaw Place. The street is paved with trap-rock blocks, on a sand base. The pavement is in good order; has never been repaired. Traffic light.

No. 19—McCulloh street, from Biddle street to Lanvale street. The street is paved with trap-rock blocks, on a sand base, has never been repaired and is now in good condition. Traffic medium.

No. 20—Pearl street, from Baltimore street to Saratoga street. The street is paved with trap-rock blocks, on a sand and gravel base. The street is used for market purposes. As the pavement was only put down in 1896 and has a five years' guarantee, there have been no expenses for repairs. Traffic medium.

No. 21—Mt. Royal avenue, from Lanvale street to North avenue, is paved with trap-rock block, on a sand and gravel base. Was opened to traffic in 1896 and has a five years' guarantee. Is in good order at the present time.

No. 22—McCulloh street, from Eutaw street to Biddle street, is paved with trap-rock block, on a sand and gravel base. Was opened to traffic in the winter of 1896 and has a five years' guarantee.

No. 23—Patterson avenue, from Fremont avenue to Fulton avenue. This is the first street in Baltimore city paved with a trap-rock block, on a concrete base. This pavement will, I believe, show the advantage of a concrete base. Traffic is very heavy and constant, at it is the natural outlet from Fulton Station. The pavement is guaranteed for five years and was completed in November, 1897.

Total number lineal feet asphalt block pavements in Baltimore January 1, 1898.....50,836

Total number miles asphalt block pavements in Baltimore January 1, 1898..... 9.6469

COST OF MAINTAINING SHEET ASPHALT PAVEMENTS IN BALTIMORE CITY.

Streets.	From	To	Completed.	Guaranteed for	Guaranty expires.	Linear feet.	Area in square yards.	Original cost.	Cost per square yard.	Cost of repairs to 1898.	Cost repairs per sq. yd. per year.
Streets	around	City Hall	1885	2 yrs.	1887	959	3,462	$6,404 70	$1 85	$4,164 28	$0.1145
Camden	Sharp	Howard	6- 4-91	"	6- 4-93	342	1,502	4,130 50	2 75	5,150 94	0.7620
Hollins	Poppleton	Arlington	8-13-91	"	8-13-93	853	3,857	10,606 75	2 75	123 85	0.0075
Montgomery	Leadenhall	Sharp	6- 6-91	"	6- 6-93	263	740	2,035 00	2 75	73 23	0.0220
Sharp	Pratt	Camden	9- 9-91	"	9- 9-93	345	1,149	3,159 75	2 75	1,167 32	0.2396
Calvert	Read	Biddle	6- 2-92	"	6- 2-94	1,690	7,620	20,574 00	2 70	67 15	0.0025
Calvert	Preston	Mt. Royal ave									
Mulberry	Charles	Howard	7- 6-92	"	7- 6-94	1,171	3,605	9,733 50	2 70		
Broadway	Canton ave.	Preston	12-16-92	"	12-16-94	7,230	51,739	139,695 30	2 70	515 14	0.0033
Fayette	North	Calvert	12-10-92	"	12-10-94	658	1,747	4,716 90	2 70	744 68	0.1421
Lexington	North	Calvert									
Baltimore	Broadway	Chesapeake	9- 9-93	"	9- 9-95	4,540	20,860	56,322 00	2 70	1 19	
Lexington	Holliday	Harrison	9-16-93	"	9-16-95	732	5,085	13,729 50	2 70	19 49	0.0017
Calvert	Biddle	Preston	9-30-93	"	9-30-95	374	1,510	4,077 00	2 70		
Chase	St. Paul	Broadway	11-11-93	"	11-11-95	5,030	22,495	60,736 50	2 70	33 75	
Front	Baltimore	Gay	12-16-93	"	12 16-95	1,400	4,285	11,569 50	2 70	21 85	0.0025
Broadway	Preston	North ave	11- 5-96	5 yrs.	11-5-1901	2,404	15,365	30,678 50	2 02		
						27,991	145,021	$378,169 40		$12,082 87	

Lineal feet=27,991. Length in miles=5.3013.

STREETS AROUND CITY MARKETS.

Name of market.	Streets.	From	To	Completed.	Guaranteed.	Linear feet.	Area in square yards.	Original cost.	Cost per square yard.	Cost of repairs to 1898.	Cost repairs per sq. yd. per year.
Marsh	East side	Baltimore	Pratt	11- 7-83	2 yrs.	2,000	7,336	$20,173 01	$2 75	$10,775 58	$0.1335
Marsh	West side	Baltimore	Pratt								
Belair	Forrest	Orleans	Hillen	10-25-84	"	1,687	6,426	17,671 50	"	8,934 59	0.1390
Hollins	Arlington av	Carrollton av.	Arlington av.	9-12-85	"	1,040	3,842	10,565 50	"	2,276 03	0.0578
Cross Street	Weyler	Light	Charles	9-26-85	"	1,050	3,282	9,025 50	"	1,681 55	0.1390
Cross Street	Cross	Light	Charles								
Lafayette	Pennsyl'a av.	Fremont	Penn'l'a av	9- 2-90	"	1,145	5,245	14,423 75	"	1,463 48	0.0580
Lafayette	Sewell	Fremont	Penn'l'a av								
Hanover	Dover	Hanover	Sharp	11-17-92	"	564	1,814	4,989 38	"	.....	.....
Hanover	Camden la.	Dover	Camden								
Hanover	Camden	Hanover	Sharp	5- 5-91	"	401	1,736	4,772 30	"	3,177 91	0.4068
Richmond	Linden ave.	Fifth ave	Biddle	11- 7-91	"	733	2,665	4,328 75	"	70 84	0.0053
Richmond	Biddle	Linden ave.	Richmond								
Richmond	Fifth ave.	Linden ave.	Howard								
Richmond	Richmond	Howard	Biddle	8-26-93	"	559	1,576	4,334 00	"	.....	.....
Richmond	Howard	Fifth ave.	Richmond								
						9,179	33,922	$90,283 60		$31,382 98	

Length in feet, 9,179; length in miles, 1.7384.

ROADWAYS ON BRIDGES.

Bridges.	Location.	Completed.	Guarantee.	Linear feet.	Area in square yards.	Original cost.	Cost of repairs to 1898.	Cost of repairs per sq. yd. per year.	Cost per sq. yd. to lay.
Calvert street	Over Jones Falls	7–8–80	3 years.	580	2067.555	$3,618 22	$3,883 52	0.1228	$1 75
St. Paul street	Over Jones Falls	6–25–81	"	711	2884.569	8,653 71	8,642 76	0.2143	3 00
Biddle street	Over Jones Falls	10–10–85	"	143	649.2	1,947 60	135 84	0.0260	3 00
				1,434					

Report of N. M. Gray, Asst. City Commissioner.

Col. Wm. A. Hanway, City Commissioner:

Sir: I beg to submit the following report of work done under my charge and supervision, during the year 1897, in the construction and repair of sewers and inlets.

Sewers under construction and approaching completion at the beginning of the year 1897:

Alluvion street sewer.
Beason street sewer.
Camden street sewer.
Henrietta street sewer.
Druid Hill avenue intercepting sewer.
North Charles street sewer extension.

ALLUVION STREET SEWER.

Ordinance No. 35, March 27, 1895.

A general description of Alluvion street sewer will be found in the City Commissioner's report for the year 1896.

On the first of January, 1897, there remained to be constructed about 318 feet of the sewer from a point just south of the Baltimore and Ohio Railroad to the connection with the old Chatsworth Run sewer, near the intersection of Scott and Stockholm streets.

Work on brick and stone masonry was discontinued about the last of the year 1896 on account of cold weather, and resumed early in the spring of 1897.

To secure a reliable foundation for the sewer, piles were driven in Scott street to a distance of 210 feet north of the railroad.

The old Chatsworth Run sewer in Scott street from its outlet, a short distance north of the railroad to the point at which the

pile foundation ends, was taken out entirely and the new sewer built on the same line, and from the point last named the arch of the old sewer, for a distance of ninety feet, was taken out and a brick arch built to replace it. This arch rests on the old side walls which were repaired and pointed.

The old stone taken out of the Chatsworth Run sewer, amounting to about 850 cubic yards, was used in the construction of the new sewer.

The total length of the Alluvion-street sewer, from its outlet at the intersection of Alluvion and Warner streets, to its connection with the Chatsworth Run sewer near the intersection of Scott and Stockholm streets, is 1,426 feet.

This work was begun on December 1, 1895, and completed on September 18, 1897.

Statement showing quantities, character of work and cost of same:

Excavation	17,330 cu. yds. at 0.47^{17}		$8,174 56
Refilling			4,118 53
Round piles (1,642 piles)	51,122 lin. ft. at 0.16^{13}		8,245 98
Square piles (82 piles)	2,630 " " at 0.32^{65}		858 70
Platform	383,480 ft. B. M. at 23.47		9,000 28
Brick masonry	3,089 cu. yds. at 5.98^{31}		18,481 80
Stone masonry	4,670 " " at 4.15^{95}		20,825 87
Ashlar, cost of dressing	4,708 lin. ft. at 0.77^{80}		3,662 82
Coping, bridge seats, and special stones for connections, man-holes, &c.			775 02
Pile-driver built on the work			316 15
Dams, troughs, centres, &c.			3,511 00
Erecting, taking down and moving machinery			1,040 87
Pumping			2,804 60
Sheds, tools, lumber, oil, repairs, paymaster, clerk, advertising, &c.			5,389 27
Inlets			2,234 21
Regular force, engineer, superintendent, inspector, carpenter and watchman			6,603 16
Removing Warner and Russell-street bridges			59 62
Fenders on south side of distillery near Ridgely street			195 78
Remodeling abutments in old sewer			550 63
Repaving (cobble)	15.674 sq. ft. at 0.03		470 22
Repaving brick sidewalks	4.817 " " at 0.04		192 68
Curb and gutter-stones in place	810 lin. ft. at 0.51		413 10
Amount expended prior to December 1, 1895			2,592 34
Total cost of sewer complete			$100,517 19
Amount appropriated			$140,000 00
Less total cost of the work			100,517 19
Balance			39,482 81

BEASON STREET SEWER.

Ordinance No. 99, May 27, 1896.

This sewer, a full description of which will be found in the City Commissioner's Report for the year 1896, was completed on January 23, 1897. This sewer, with its lateral branch in Garrett street, was constructed by contract, P. Flannigan & Co., contractors.

A considerable amount of extra work was required on account of the condition of the soil, between the Baltimore and Ohio tracks and the dock, which necessitated the laying of extra mud-sills under the timber platform. All of this extra work was done and paid for in accordance with the specifications.

Statement showing cost of the work:

Contractor's estimates	$8,577 00
Contractor's extra bill	943 77
Engineering, transportation and inspection	543 36
Incidentals	118 77
Total cost	$10,182 90
Appropriation	11,892 05
Amount expended	10,182 90
Balance	$1,709 15

CAMDEN STREET SEWER.

Ordinance No 77, May 5, 1896.

This sewer, a description of which will be found in the City Commissioner's Report for the year 1896, was completed on January 12, 1897. This work was done by contract, Patrick Keelty, contractor. A small amount of extra work was required, which was done and paid for in accordance with the specifications.

Statement showing cost of the work:

Contractor's estimate	$490 00
Contractor's extra bill	44 82
Engineering and inspection	64 57
Incidentals	29 22
Total cost	$628 61
Appropriation	$1,000 00
Amount expended	628 61
Balance	$371 39

HENRIETTA STREET SEWER.

Ordinance No. 72, May 5th, 1896.

This sewer, a description of which will be found in the City Commissioner's Report for the year 1896, was completed on January 12, 1897. This work was done by contract, Patrick Keelty, contractor. A small amount of extra work was required, which was done, and paid for in accordance with the specifications.

Statement showing cost of the work:

Contractor's estimate	$645 00
Contractor's extra bill	93 81
Engineering and inspection	127 18
Manhole castings and gutter-plates	86 34
Incidentals	12 60
Total cost	$964 93
Appropriation	$1,000 00
Amount expended	964 93
Balance	$35 07

DRUID HILL AVENUE INTERCEPTING SEWER.

Ordinance No. 48, April 30, 1891.

This sewer, the route, sections and mode of construction, all of which have been fully described in previous reports, was completed in the year 1896, with the exception of the construction of inlets and their connections at the following points, viz.: Laurens street at McCulloh alley, Madison avenue, Morris alley, Jordan alley and Linden avenue, and at Park and North avenues.

These inlets, except those at the intersection of Laurens street and Linden avenue, were partly constructed in the year 1896, and were entirely completed in the early part of the year 1897.

The cross gutters at all of the above-mentioned intersections, and those at the intersections of Laurens, Bolton and McCulloh streets, were taken out and the street surface readjusted and repaved.

The entire work was completed on April 21, 1897.

Amount expended to December 31, 1896	$242,814 90
Inlets built in 1897, repaving, etc	4,439 84
Superintendent, watchman, etc	331 15
Incidental expenses	157 72
Total cost of work	$247,743 61
Total appropriation	$250,000 00
Less cost of work	247,743 61
Balance	$2,256 39

NORTH CHARLES STREET SEWER EXTENSION.

Ordinance No. 128, *August* 4, 1896.

This sewer consists of cast-iron pipe, beginning at the intersection of Charles and Twenty third streets, and extending in Charles street, with a diameter of 36 inches, to Twenty-fourth street, a distance of $362\frac{85}{100}$ feet; thence in Charles street, with a diameter of 30 inches, to Twenty-fifth street, a distance of $547\frac{75}{100}$ feet.

Total length of sewer $910\frac{6}{10}$ feet.

Three manholes were along the line of the sewer, and two gutter-plate inlets were constructed at Charles and Twenty-fifth streets. At Charles and Twenty fourth streets inlet openings were made, to which inlets may, in the future, be connnected, if needed.

This work was done by Patrick Reddington, contractor, except the furnishing of the manhole castings, inlet traps and inlet gutter-plate covers, which were paid for by the city.

The work was begun on November 27th, 1896, and completed on January 23d, 1897.

Amount expended prior to January 1, 1897		$225 94
Contract price	$4,353 00	
Extra work	103 90	
Two (2) pieces wrought iron pipe for inlets	2 50	
Gutter-plates over inlet openings	61 20	
Two (2) man-hole castings	24 43	
Hauling kerb	1 50	
Cast iron saddles for drain connections	102 75	
Expended in repairing drain pipe	28 76	
Salaries, engineers and inspector	192 58	
		4,870 62
Total amount expended to Dec. 31, 1897		5,096 56
Appropriation		$8,000 00
Less cost of work		5,096 56
Balance		$2,903 44

Sewers begun after January 1, 1897:

Clifton avenue sewer.
Lanvale, Stricker and Gilmor street sewers.
Stockholm street sewer.
Eager street sewer.

CLIFTON AVENUE SEWER.

Ordinance No. 29, June 16, 1897.

This sewer is located in the beds of Clifton avenue and Payson street, entirely upon private property. The work could not be commenced until September 26, 1897, owing to delays in obtaining the right of way over said property.

The sewer begins at the intersection of Clifton avenue and Monroe street, connecting at that point with the sewer known as "Bruce alley sewer," and extends thence in Clifton avenue in a westerly direction, with a diameter of 4.0 feet, for a distance of 300 feet; thence in Clifton avenue, with a diameter of 3.5 feet, to Payson street, a distance of 200 feet; thence in Payson street, in a northerly direction, with a diameter of 3.5 feet, for a distance of 155 feet. Total length, when completed, 655 feet.

The Clifton avenue sewer is built of bricks, laid in two rings nine inches in thickness. The outer ring is composed of machine made bricks. In the inner ring vitrified bricks are used in the construction of the invert to a vertical height equal to one-fourth the diameter of the sewer. Above the invert the inner ring consists of hard-burned hand-made bricks.

The section of the sewer is circular throughout. In the construction of this sewer, wherever the ground was found to be sufficiently firm, the same was shaped to receive the brick work In soft and yielding ground the brick work was laid in a cradle of stone masonry.

Length of sewer, 4.0 diameter, completed Dec. 31, 1897.....	270 feet.
Length of sewer, 3.0 diameter, completed Dec. 31, 1897.....	200 feet.
Total.....	470 feet.

A manhole 275 feet west of Monroe street has been completed, and the inlet drops at Monroe and Payson streets have been partially built.

Character, quantity and average cost of work done:

Excavation, 843 cubic yards, average cost per cubic yard	$0.53
Brick masonry, 189 cubic yards, average cost per cubic yard	8.84
Stone masonry, 149 cubic yards, average cost per cubic yard	4.25

Amount appropriated	$12,000 00
Amount expended to December 31, 1897	4,582 72
Balance	$7,417 28

The sewer in Clifton avenue and Payson street is designed to drain an area of about 40 acres lying west of Monroe street and north of Clifton avenue. When this sewer is completed Clifton avenue can be graded and paved from Fulton avenue to Payson street, and a large area opened for improvement.

SEWER IN LANVALE AND STRICKER STREETS AND LATERAL SEWER IN LANVALE AND GILMOR STREETS.

Ordinance No. 164, Nov. 6, 1896.

The main sewer begins at the intersection of Lanvale and Calhoun streets, connecting at that point with the "new" Calhoun street sewer, and extends thence in Lanvale street, with a diameter of 4.75 feet, to Stricker street, a distance of 370 feet; thence in Stricker street, with a diameter of 3.75 feet, to Winchester street, a distance of 1,665 feet.

Total length of main sewer, when completed, 2,035 feet. The lateral sewer begins at the intersection of Lanvale and Stricker streets, connecting with the main sewer at that point, and extends in Lanvale street, with a diameter of 3.0 feet, to Gilmor street, a distance of 443 feet; thence in Gilmor street, with a diameter of 2.5 feet, to Lafayette avenue, a distance of 383 feet. Total length of lateral sewer, when completed, 826 feet. These sewers are circular in section throughout. The main sewer is built of brick, laid in two rings nine inches in thickness. In the outer

ring machine-made bricks are used. In the inner ring vitrified bricks are used in the constuction of the invert to a height equal to one-fourth the diameter of the sewer. Above the invert the inner ring consists of hard-burned hand-made bricks. The construction of that part of the lateral sewer which lies in Lanvale street is similar in every respect to the construction of the main sewer. That part of the lateral which lies in Gilmor street consists of a 30-inch cast-iron pipe. In the construction of these sewers the ground, where sufficiently firm, was trimmed to the proper shape and the brickwork laid directly thereon. In soft and yielding ground the brickwork was laid in a cradle of stone masonry.

The sewers in Lanvale, Stricker and Gilmor streets, when completed, will intercept the storm-water which falls upon a large area north of Lanvale street, between Fulton avenue and Stricker street, and thus prevent a recurrence of the floods in Calhoun street and in the depression at the intersection of Franklin and Woodyear streets, which have accompanied heavy downpours of rains in the past.

This work was commenced on June 21, 1897.

Length of main sewer completed December 31, 1897	833 feet.
Length of lateral sewer completed December 31, 1897	398 feet.
Total	1,231 feet.

Three man-holes and one inlet were completed December 31.

Character, quantity and average cost of work done:

Excavation, 3,758 cu. yds., average cost per cu. yd	$0.86
Timbering, 1,393 lin. ft., average cost per lin. ft	1.11
Brick masonry, 489 cu. yds., average cost per cu. yd	9.70
Stone-masonry, 348 cu. yds., average cost per cu. yd	4.96
Amount appropriated	$40,000 00
Amount expended to December 31, 1897	15,555 14
Balance	$24,444 86

STOCKHOLM STREET SEWER.

Ordinance No. 166, November 2, 1896.

This sewer begins at the intersection of Stockholm street and Columbia avenue, and extends thence in Stockholm street, in a

southeasterly direction, with a diameter of 42 inches, for a distance of $427\frac{25}{100}$ feet to Carroll street; thence in Stockholm street, with a diameter of 48 inches, for a distance of $440\frac{85}{100}$ feet to Nanticoke street; thence in Nanticoke street, in a southwesterly direction 116 feet to Schroeder's Run. The total length of this sewer is $984\frac{1}{10}$ feet.

The work was constructed by contract, Patrick Reddington, contractor.

In Stockholm street, from Columbia avenue to Nanticoke street, this sewer consists of cast-iron pipe. The joints of these pipes were laid in a cradle of concrete to prevent settlement, and were securely packed with Portland cement. In Nanticoke street the sewer consists of a semi-circular stone arch, 12 inches thick, with a span of 5 feet, and with side walls $2\frac{1}{2}$ feet high and $2\frac{1}{2}$ feet thick.

The construction of this arch was necessary to obtain an outlet for the water, and was not included in the original contract, but was executed under a special agreement made with the contractor and approved by the Mayor.

Special castings, with inlet branches 20 inches in diameter, were laid on the north and south sides of each street intersection along the line, for the connection of inlets with the sewer.

Two manholes and nine inlets were constructed, in connection with this work. A small amount of extra work was necessary, which was done by the contractor in accordance with the specifications.

This sewer was designed originally to continue in Stockholm street to Scott street, and connect with the "Alluvion" street sewer, but it was decided by the Mayor that it would not be necessary for the present to build the sewer beyond Nanticoke street.

STATEMENT SHOWING CONTRACT PRICES, QUANTITIES, CHARACTER OF WORK AND COST OF SAME.

Excavation	2,383	cub. yds.	@	40...	$953 20
60-inch C. I pipe inlet branches, in place	6	lin. ft.	@	$27 50...	165 00
48-inch C. I. pipe, straight, in place	410.85	lin. ft.	@	6 30...	2,588 36
48-inch C. I. pipe, inlet branches, in place	24	lin. ft.	@	20 46...	491 04
42-inch C. I. pipe, straight, in place	415.25	lin. ft.	@	5 00...	2,076 25
42-inch C. I. pipe, inlet branches, in place	12	lin. ft.	@	16 69...	200 28
20-inch C. I. pipe, straight, in place	175.82	lin. ft.	@	1 73...	304 17
Concrete, in place	117.7	cub. yds.	@	5 50...	647 35
Brickwork, in place	50.13	cub. yds.	@	8 00...	401 04
Masonry, rubble, in place	158.15	cub. yds.	@	3 75...	593 07
Masonry, arch, in place	41.3	cub. yds.	@	5 50...	227 15
Covering stone, in place	107.85	sq. ft.	@	84...	90 60
Drip stone, in place	84.65	sq. ft.	@	60...	50 79
Small inlet flags, in place	415.63	sq. ft.	@	50...	207 82
Inlet trap-doors, in place	9	doors	@	9 00...	81 00
Manhole castings, in place	5,027	lbs.	@	02...	100 54
New cobble paving	479.5	sq. ft.	@	07...	33 57
Cobble repaving	2,358.5	sq. ft.	@	04...	94 34
New 5-inch curb	161.3	lin. ft.	@	70...	112 91
Resetting curb	172.2	lin. ft.	@	10...	17 22

Total amount of contractors' estimate	$9,435 70
Contractor's extra bill	202 56
Inspector's salary	305 00
Incidentals	82 06
Total cost of the work	$10,025 32
Appropriation for entire sewer from Columbia avenue to Scott street	$40,000 00
Amount expended for construction of sewer, Columbia avenue to Nanticoke street	10,025 32
Balance	$29,974 68

EAGER STREET SEWER.

Ordinance No. 150, October 22, 1896.

Eager street sewer consists of cast-iron pipe throughout. This sewer begins in the bed of Chester street, ten feet south of the south building line of Eager street, connecting at that point with the Harford Run diversion sewer, and extends northeastwardly, with a diameter of thirty-six inches, for a distance of 33.4 feet, to a point in Eager street; thence by a vertical drop of fourteen feet, also thirty-six inches in diameter, to a connection with a 36x48-inch reducer; thence in Eager street, with a diameter of 48 inches, for a distance of 345.02 feet, to Collington avenue; thence still along Eager street, with a diameter of 42 inches, for a distance of 159 feet, to the Union Railroad Company's property; thence through said property and parallel with Eager street with the same diameter of 42 inches, for a further distance of 268.68 feet to Patterson Park avenue; thence continuing in same line, through said railroad company's property, with a diameter of 36 inches, for a distance of 428.85 feet, to Montford avenue; thence still continuing on same line, with a diameter of 30 inches, for a distance of 333.65 feet, to Milton avenue.

Total length of sewer, as completed, 1582.6 feet.

This sewer was built by Patrick Reddington, contractor, with the exception of two inlets located at Milton avenue, which were constructed during the month of December, 1897, by this department, as it was impossible to build them during the time the contractor was at work.

The following is a tabulated statement of quantities, contract prices and total cost of sewer. The extra work shown was done by the contractor and paid for as per contract:

Excavation, earth	6050 cub. yds. at	$0.35..	$2,117 50
48 inch pipe straight, set in place	327.4 lin. ft. at	6.30..	2,062 62
48 " " curved, set in place	6.7 lin. ft. at	25.00..	167 50
48 " " with inlet branches on both sides, set in place	4.54 lin. ft. at	$20.46..	92 89
48 inch pipe with inlet branches on one side, set in place	9.1 lin. ft. at	$20.46..	186 19
40 inch pipe straight, set in alace	393.6 lin. ft. at	4.72..	1,857 79
40 " " curved, set in place	25 lin. ft. at	14.07..	351 75
40 " " with inlet branches on one side, set in place	9.1 lin. ft. at	$16.36..	148 88

36 inch pipe straight, set in place	454.2 lin. ft. at	4.00	$1,816 80
36 " " curved, set in place	5.8 lin. ft. at	20.00	116 00
36 " " with inlet branches on one side, set in place	9.1 lin. ft. at	$13.66	124 31
30 inch pipe straight, set in place	329 lin. ft. at	2.89	950 81
30 " " with inlet branches on one side, set in place	4.6 lin. ft. at	$10.12	46 55
20 inch pipe straight, set in place	123.6 lin. ft. at	1.73	213 83
20 " " curved, set in place	7.8 lin. ft. at	5.00	39 00
48x36 inch pipe reducer set in place	2.8 lin. ft. at	33.00	92 40
Concrete in place	9.6 cub. yds. at	5.50	52 80
Brickwork in place	29 cub. yds. at	8.00	232 00
Stonework	26 cub. yds at	3.75	97 50
Covering stones for inlets, in place	186.8 sq. ft. at	0.84	156 91
Drip stones for inlets, in place	67.6 sq. ft. at	0.60	40 56
Small inlet flags for inlets in place	144.2 sq. ft. at	0.50	72 10
New 5-inch curb, set in place	52.6 lin. ft. at	0.70	36 82
Curb rest	83 lin. ft. at	0.10	8 30
New cobble paving at inlets	190 sq. ft. at	0.07	13 30
Cobble repaving	4,458 sq. ft. at	0.04	178 32
Inlet trap doors, set in place	6 doors at	9.00	54 00
Manhole castings, set in place	2,570 lbs at	0.02	51 40
			$11,378 83
Extra work			23 09
Total paid contractor			$11,401 92
Engineering, inspection, &c			348 77
Cost of the two inlets at Milton avenue built by this Department			404 55
Total expenditure to Dec. 31, 1897			$12,155 24
Amount appropriated			$16,000 00
Less cost of the work			12,155 24
Balance			$3,844 76

INLETS AND MANHOLES, ETC., CONSTRUCTED IN 1897:

PRESSTMAN STREET AND ADDISON ALLEY SEWER.

Ordinance No. 108, June 17, 1895.

Two unfinished inlets, located at the intersection of Baker street and Friendsbury Place (formerly Addison alley), and connected with the Presstman street and Addison alley sewer, and an unfinished manhole in Friendsbury Place south of Baker street, were built up and completed at an expense of $161.49.

Amount appropriated for the construction of the Presstman street and Addison alley sewer, by Ordinance No. 108, of 1895		$50,000 00
Deducted by Ordinance No. 166, of 1896		20,000 00
		$30,000 00
Amount expended to December 31, 1897		29,325 21
Balance		$674 79

FULTON AVENUE SEWER.

Ordinance No 15, March 15, 1889.

Two unfinished inlets located at the intersection of Fulton avenue and Presbury street, and connected with the Fulton avenue sewer, were completed at an expense of $227.03.

Amount appropriated for the construction of the Fulton avenue sewer by Ordinance No. 15, of 1889		$23,000 00
Amount expended to December 31, 1897		19,326 64
Balance		$3,673 36

PULASKI STREET SEWER.

Ordinance No. 146, October 9, 1889.

Two inlets, connecting with the Pulaski street sewer, were built at the intersection of Harlem avenue and Pulaski street, at an expense of $556.06.

Amount appropriated for the construction of the Pulaski street sewer, by Ordinance No. 146, of 1889		$45,000 00
Deducted by Resolution No. 277, of 1894	$2,500 00	
Deducted by Resolution No. 90, of 1895	1,000 00	
		3,500 00
		$41,500 00
Amount expended to December 31, 1897		41,500 00
Balance		

FRANKLIN AND PULASKI STREET SEWER.

Ordinance No. 162, of 1890.

A temporary wooden inlet, connecting with the Franklin and Pulaski street sewer, was built at the intersection of Franklin and Pulaski streets, and a lateral drain near the intersection of Franklin and Smallwood streets was opened and cleared of obstructions, at an expense of $197.63.

Amount appropriated for the construction of the Franklin and Pulaski street sewer, by Ordinance No. 162, of 1890..	$48,000 00
Deducted by Resolution No. 76, of 1897.....	600 00
	$47,400 00
Amount expended to December 31, 1897.....	47,205 88
Balance	$194 12

NORTH CHARLES STREET SEWER.

Ordinance No. 97, April 24, 1893.

A corner inlet, located at the intersection of Charles and Twenty-second streets, and connected with the North Charles Street Sewer was taken out and replaced by two gutter inlets, and portions of the pavement over the sewer were raised and readjusted at an expense altogether of $233.80.

Amount appropriated for the construction of the North Charles Street Sewer by Ordinance No. 97, of 1893.....		$91,800 00
Deducted by Resolution No. 99, of 1896.....	$853 35	
Deducted by Ordinance No. 128, of 1896.....	8,000 00	
Deducted by Ordinance No. 119, of 1896.....	15,000 00	
		23,853 35
		$67,946 65
Amount expended to December 31, 1897.....		66,228 07
Balance.....		$1,718 58

FREMONT AVENUE SEWER.

Ordinance No. 52, March 27, 1893.

The inlet in Rice street near the west side of Fremont avenue was closed, and the pavement over the sewer at several points in Fremont avenue was raised and readjusted. Total cost, $167.84.

Amount appropriated for the construction of the Fremont Avenue Sewer by Ordinance No. 52, of 1893.....	$113,200 00
Deducted by Ordinance No. 166, of 1896.....	20,000 00
	$93,200 00
Amount expended to December 31, 1897.....	91,730 63
Balance.....	$1,469 37

BRUCE ALLEY SEWER.

Ordinance No. 75, April 14, 1893.

The pavement over the main sewer in Clifton avenue, and over the lateral in Clifton avenue and Pennsylvania avenue, which had sunk, was raised and repaired, and a manhold, leading into an inlet on Pennsylvania avenue, was constructed, at an expense altogether of $164.58.

Amount appropriated for the construction of the Bruce alley sewer, by Ordinance No. 75 of 1893		$78,700 00
Deducted by Ordinance No. 61 of 1896	$2,038 94	
Deducted by Resolution No. 47 of 1896	214 78	
Deducted by Ordinance No. 29 of 1897	12,000 00	
		$14,253 72
		$64,446 28
Amount expended to December 31, 1897		59,938 29
Balance		$4,507 99

SEWER IN PRIVATE ALLEY, BETWEEN GREENE AND PEARL STREETS.

Ordinance No. 121, July 22, 1896.

The brick pavement over this sewer had sunk to a considerable extent, and the same was raised and repaired at an expense of $13.58.

Amount appropriated for the above-named sewer by Ordinance No. 121 of 1896	$1,800 00
Amount expended to December 31, 1897	1,392 71
Balance	$407 29

PATAPSCO STREET SEWER EXTENSION.

Ordinance No. 120, June 28, 1894.

An inlet pipe, 24 inches in diameter and 84 feet in length, was laid from the head of the above-named sewer, at the intersection of Milton avenue and Hoffman street, in Hoffman street, to the old culvert under said street west of Milton avenue.

This inlet is designed to intercept the drainage of a consider-

able area north of Hoffman street and west of Milton avenue. The cost of the above was $226.42.

Amount appropriated for the construction of the Patapsco street sewer extension, by Ordinance No. 120, of 1894	$52,000 00
Deducted by Ordinance No. 99, of 1896	5,000 00
	$47,000 00
Amount expended to December 31, 1897	43,793 64
Balance	$3,206 36

NORTH AVENUE AND ELM STREET.

Resolution No. 76, July 15, 1897.

The old inlet in Elm street, north of North avenue, and the 8-inch pipe connecting the same with the sewer in North avenue, were taken out and a larger inlet, with a 20-inch pipe connection, constructed. The 20-inch pipe, 83 feet in length, discharges into a manhole, which was built over the sewer in North avenue as a part of this work.

Amount appropriated for the above	$600 00
Amount expended	589 37
Balance	$10 63

HOLLINS AND SCHROEDER STREETS.

Resolution No. 28, April 5, 1897.

The four inlets at the intersection of Hollins and Schroeder streets, connecting with the old Schroeder's Run sewer, were reconstructed and trapped. The old inlets could not be trapped, owing to the manner in which they were constructed, and it was found necessary to tear them out and to rebuild them entirely, from the sewer to the street openings. The traps are galvanized-iron doors of an improved pattern.

Amount appropriated for the above	$1,200 00
Amount expended	1,034 92
Balance	$165 08

BALTIMORE AND GILMOR STREETS.

Resolution No. 78, July 15, 1897.

A line of 20-inch vitrified sewer pipe, 210 feet in length, was laid on the south side of Baltimore street, connecting with the inlet to the Baltimore street sewer at the southwest corner of Baltimore and Gilmor streets, and extending westwardly to the angle formed by the south kerb of Baltimore street and the northwest kerb of Frederick avenue. A lateral pipe, 15 inches in diameter and 60 feet in length, was laid from the 20-inch pipe to take the water from Frederick avenue. Inlets were constructed at the upper ends of these pipes—one on the south side of Baltimore street and one on the northwest side of Frederick avenue.

Amount appropriated for the above	$750 00
Amount expended	750 00
Balance	

FREMONT AVENUE AND LANVALE STREET.

Resolution No. 7, November 30, 1897.

The two inlets to the Fremont-ave sewer, at Fremont avenue and Lanvale street, were reconstructed and provided with improved traps.

Amount appropriated for the above	$250 00
Amount expended	128 94
Balance	$121 06

The appropriation for the above was transferred, as directed by the above resolution, from the appropriation for repairs of sewers for the year 1897.

INLET TRAPS.

Traps of several different kinds have been used in our city sewers in the past, the most economical of which is the swinging door, or valve, of galvanized iron. This form of trap has, in the majority of cases, given satisfaction, but it is liable, at times, to be held open by debris washed into the inlets, and thus to permit the escape of the

sewer gas. Since my appointment to the charge of the sewer department I have been using a trap which consists of a door, similar in many respects to the above, with an improvement which enables the trap to clear itself of all ordinary obstructions. The traps of this form put in during the past year have been found to work very satisfactorily.

LOCATION OF SEWER AND INLET REPAIRS.

Chester street and North avenue	$5 25
Front and Low streets	4 17
Cross and Covington streets	6 41
Aisquith and Low streets	5 36
Central avenue and Lancaster street	11 30
Arch and Lexington streets	4 25
Broadway and Hoffman street	2 58
Broadway and St. Joseph street	3 62
Broadway, near North avenue	75
Central avenue and Philpot street	9 60
Franklin and Pearl streets	24 55
Pennsylvania avenue and Sewell street	4 37
West street and Creek alley	18 06
Townsend and Chester streets	7 22
Boston and Leakin streets	4 17
Penn and Haw streets	1 39
Myrtle avenue and George street	4 16
Wolfe street, north of Baltimore street	22 46
Broadway and Federal street	1 80
Baltimore street and Patterson Park avenue	28 68
Cannon and Preston streets	1 40
Cannon and Hoffman streets	1 40
Edmondson avenue and Pulaski street	5 00
Hamburg and Paca streets	5 98
Arch and German streets	6 30
Howard and Lexington streets	19 02
Pennsylvania avenue and Fulton avenue	3 12
Central avenue and Mullikin street	3 70
Ann and Lombard streets	4 00
Greenmount avenue and Forrest street	3 33
Monument and Patapsco streets	1 25
Patapsco street boxes	50
Fulton avenue and Baker's Circle	29 57
West street	76 48
Howard and Barre streets	16 40
Beason and Towson streets	1 30
Penn and Lombard streets	1 28
Lovegrove alley and Twenty-first street	4 67
Pratt and Commerce streets	5 58
Schroeder and Boyd streets	6 33
Central avenue and Lombard street	5 50

Beason and Garrett streets	7 55
Calhoun and Rice streets	1 17
Monument and Canton streets	1 25
Central avenue and Gough street	3 70
Lorman alley near Arlington avenue	3 00
Park avenue and Preston street	1 35
Charles and Preston streets	1 73
Monroe and Eagle streets	1 35
Fulton avenue and Pressbury street	3 18
Eden and McElderry streets	124 86
Bond and Abbot streets	148 64
Inspection Mosher-street sewer	3 42
McMechen and Foster streets	7 72
Manhole in Mosher street, east of Mt. Royal avenue	42 27
Mt. Royal avenue and McMechen street	2 59
Manhole in McMechen street, west of Mt. Royal avenue	1 94
Manhole in McMechen and Rutter streets	1 94
Fayette street, west of Schroeder street	27 58
Wolf street and Fairmount avenue	44 39
Drain in Washington street	115 55
Jenkins' Run sewer	989 27
Boston and Leakin streets	1 14
Baltimore street and Central avenue	20 83
Holland alley and Pratt street East Falls and Canton avenues Hammond alley and Exeter street	25 60
Fairmount avenue and Patapsco street	59 83
Hopkins avenue and Chase street	12 50
Buren and Madison streets	3 62
Park and Newington avenues	51 71
Pearl and Bradley streets	13 50
Arch and Fayette streets	26 83
Bruce alley, Pressbury and Northwest streets	8 60
Franklin and Woodyear streets	2 30
Vine street (Schroeder's Run sewer)	4 30
Pine street and Penn alley	4 50
Baltimore and Schroeder streets	115 29
Pennsylvania avenue and Lanvale street	8 58
Eden and Jefferson streets	14 86
Central avenue and Mullikin streets	4 14
Pratt street and Bowley's wharf	2 50
Central avenue and May street	4 31
Boston and Leakin streets	2 14
Central avenue and Union alley, northeast corner Central auenue and Union alley, southeast corner Central avenue and Fawn street Central avenue and Styles streets Central avenue and Watson street Central avenue and Gough street Broadway and Thames street	17 89
Broadway and Hoffman street	18 58
Pennsylvania avenue and Wilson street	16 17
Hammond alley, between Exeter and Albemarle streets	17 05

Fayette street, near Schroeder	$32 60
North avenue and Chester street	37 11
Clement and Webster streets	46 00
Boston and Windsor streets	11 25
Division street, near Wilson	19 58
Mt. Royal avenue and Calvert street	2 33
Broadway and Lanvale street	24 59
Baltimore street and Central avenue	7 37
West and Race streets	26 32
Maryland avenue and Oliver street	94 43
Mt. Royal avenue and Maryland avenue	20 53
Mulberry street and Myrtle avenue	48 28
Carrolton avenue and Saratoga street	48 36
Howard and Pratt streets	88 82
Gay street north of Jones Falls Bridge	45 25
Bath and Davis streets	59 80
Front and Hillen streets	26 35
Dallas street and Ashland avenue	6 16
Lexington street, west	2 25
Lexington street and Central avenue, northeast corner	2 00
Lexington street and Central avenue, southwest corner	2 00
Broadway and Lanvale street	35 96
Monument street	4 91
Myrtle avenue and George street	158 23
May street and Central avenue	3 00
Mullikin street and Central avenue, southeast corner	2 00
Mullikin street and Central avenue, northeast corner	1 48
Arlington avenue and Pratt street	2 58
Boston and Leakin streets	5 89
Central avenue and Baltimore street	5 25
Central avenue and Gough street	3 70
Central avenue and Lombard street	2 35
Central avenue and Watson street	39
Ashland avenue and Dallas street	35 70
Eager and Wolf streets	2 31
Lombard and Liberty streets	96 63
Patapsco and Orleans streets	19 43
Hanover and Pratt streets	79 87
Arch and Josephine streets	11 45
Mosher-street sewer repairs	1,761 23
Pratt street and Marsh Market space	57 37
Miscellaneous charges	368 57
	$5,674 16

Total amount appropriated for repairs of sewers	$6,000 00
Deducted by Resolution No. 7, November 30, 1897	250 00
	$5,750 00
Balance of amount transferred by above resolution	121 06
	$5,871 06
Total cost of general repairs	5,674 16
Balance	$196 90

In the spring of 1897 I made personal examinations of the Jenkins' Run Sewer and the sewer in Mosher, John and McMechen streets, and found that these sewers needed extensive repairs.

Jenkins' Run Sewer, between Girard avenue and North avenue, consists for the greater part of a stone arch, with a wooden floor. In many places this floor was worn out and holes formed in the bottom of the sewer. At these points the remnants of the floor were cut out and the bottom paved with large granite blocks, laid in cement; and, where necessary, the side walls and arch were pointed and plastered with cement.

The sewer in Mosher street, from a point near the Belt Line Railroad to John street, and in John street, from Mosher street to McMechen street, was found to be in a very bad condition. This sewer was built about twenty-five years ago. The material used in its construction is the ordinary Baltimore hand-made brick. The sewer is 5.5 feet in diameter and consists of two concentric rings of brick nine inches in thickness. In making my examination of this sewer, I found that the inner ring of brick in the invert had been cut entirely through to a width of from twelve to eighteen inches, by evasion due to the constant flow of water, carrying sand, and that the bricks above the part cut through, to the height of about one-third of the diameter of the sewer, were badly worn. In the curve at the intersection of John and Mosher streets, at which point the sewer lies directly under a corner building, I found at two points that the inner ring, to the height of two or three feet above the springing-line, had been washed out in length of from fifteen to twenty feet. Reconstruction of the invert of the sewer in Mosher street was begun on May 19, 1897, and the work was continued until September 2, 1897, at which time it was found that the balance of the appropriation for repairs of sewers would not be more than sufficient to provide for emergencies which might arise during the remainder of the year, and the work was temporarily suspended.

In the reconstruction of the invert of the Mosher street sewer I am using vitrified bricks. The worn-out bricks are taken out, and the face of the sewer relaid with vitrified bricks to the height of about one-third of the diameter of the sewer. The vitrified

bricks are laid close together in Portland cement, and form a smooth, hard bottom, which may be expected to last for a great many years.

The new invert has been completed for a distance of 255 feet, at a cost of 6.90^7 per foot, and there remains to be put in 740 feet of new invert. All of the material used in this work has to be lowered down a man-hole 40 feet in depth, and then carried by hand to the point in the sewer at which the work is being done. As the work progresses the materials will have to be carried over greater distances, and the cost of the work will be increased. To facilitate the construction of this work, and also to reduce the cost as far as possible, a manhole should be built in Mosher street at some point between Mount Royal avenue and John street.

The importance of completing the reconstruction of the invert of Mosher-street sewer cannot be overestimated. The condition of the sewer leads me to the conclusion that it is becoming unsafe. The sewer lies at a depth of from 35 to 40 feet below the surface, and its failure, which may be apprehended, would, in all probability, result in the destruction of life and property.

The sewer in McMechen street, between John street and Morris alley, consists of a stone arch with a wooden floor. The stonework of this sewer requires general pointing up and plastering with cement; and a number of holes, which exist in the floor, will have to be paved with stone blocks.

Approximate amount required for sewer repairs in 1898:

Sewer in Mosher street, new invert, 740 feet, at $7.00	$5,180 00
Manhole in Mosher street	300 00
Sewer in McMechen street	1,000 00
Inlets, drains, &c	2,500 00
Emergencies	1,020 00
Total	$10,000 00

At a number of points the new mains of the Water Department, laid during the past year, have crossed the city sewers. Where the mains crossed over the tops of the sewers they were supported on each side of the sewer and the pressure taken off the same. Where it was necessary to cut through the arch of a sewer

in order to lay the main at a sufficient depth below the surface, the arch was properly reconstructed and made secure. Where it was necessary to cross under a sewer, the same was secured by a foundation of concrete, rammed in between the main and the bottom of the sewer.

Sewers were crossed by water mains at the following named points:

Hamburg street, west of Paca street; Fayette street, west of Schroeder street; intersection of Fayette street and Fremont avenue; Fayette street, west of Arch street; intersection of Fayette and Arch streets; intersection of Fremont avenue and Mulberry street; intersection of Myrtle avenue and Mulberry street; intersection of Pearl and Saratoga streets; intersection of Pearl and Mulberry streets; intersection of Pearl street and Pennsylvania avenue; intersection of Pratt and Eden streets; intersection of North avenue and Charles street; North avenue, east of Charles street; intersection of North avenue and Greenmount avenue; North avenue, east of Greenmount avenue; Baltimore and Schroeder streets.

In connection with the laying of new lines of track by the Central Passenger Railway Company, the cross gutters at the following named street intersections were taken out and underground pipes laid by the said company to take the drainage:

Hudson and Cannon streets, a 20-inch pipe, discharging into the sewer at Hudson and Luzerne streets; Canton avenue and Cannon street, a 10-inch pipe, with surface discharge; Canton avenue and O'Donnell street, a 12-inch pipe, with surface discharge; Canton and Patterson Park avenues, two 12-inch pipes, with surface discharge; Wolfe and Pratt streets, a 12-inch pipe, with surface discharge; Wolfe and Lombard streets, a 12-inch pipe, with surface discharge; Wolfe and Baltimore streets, a 10-inch pipe, connecting with the sewer in said intersection; Washington and Preston streets, a 12-inch pipe, with surface discharge; Washington and Hoffman streets, two 12-inch pipes, with surface discharge; Washington and Gay streets, a 20-inch pipe, discharging into the inlet at Gay and Wolfe streets; Washington and Lanvale streets, two 15-inch pipes, discharging into the inlets at the northwest and southwest corners of said streets.

RECOMMENDATIONS AND SUGGESTIONS.

The area bounded by Chase street, Maryland avenue, Mount Royal avenue and St. Paul street, comprising about 25 acres, needs improved drainage facilities. This can be accomplished by laying a pipe sewer in Morton alley from Mt. Royal avenue to Oliver street, and connecting the same with the sewer known as the Maryland avenue sewer.

The sewer in Charles street, from Jones Falls to Mt. Royal avenue, should be extended to Preston street to give better drainage at that point. If this extension is built, the old wooden gutters at Charles and Preston streets can be removed and the intersection of said streets very much improved.

Estimated cost of sewer in Morton alley.....	$4,000 00
Estimated cost of extension of Charles street sewer.....	4,000 00
	$8,000 00

The sewer known as the Lovegrove alley sewer is, for a large part of its extent, unprovided with the necessary inlets and manholes. This sewer empties into Jones Falls, a short distance east of Charles street, and extends thence in Lovegrove alley, Twenty-first street, Hargrove alley, Twenty-second street, Calvert street, Twenty-third street and Hunter alley to Twenty-fourth street. I would recommend the construction of six inlets and five manholes along the line of this sewer—the inlets to be located at the following named points: Lovegrove alley and Twenty-first street, Calvert and Twenty-second streets, Hargrove alley and Twenty-second street, Guilford avenue and Twenty third street, and Calvert and Twenty-fourth streets. In addition to the above, several existing inlets along the line of the sewer will require thorough repairing.

The cost of the above will be approximately, $3,000.

The sewer in Bush street, from Ranstead's dock to James street, is unprovided with inlets. The inlets required, twenty-two in number, were not built at the time of the construction of the Bush street sewer, as it was necessary to allow the back filling over the

sewer time to settle thoroughly. At the present time there are no funds remaining to the credit of the Bush Street Sewer.

The estimated cost of the above is $6,500.

An inlet, to be located on the west side of the Belt Line Railroad, between North avenue and Mosher street, and connected with the Mosher street sewer, is very much needed for the purpose of intercepting the water which flows from Mosher street and the city's property adjacent thereto during heavy downpours of rain. This water is discharged upon the the Belt Line Railroad and flows along the same to the tunnel at Mt. Royal Station, causing considerable damage to the railroad, as I am informed.

The proposed inlet will cost, approximately, $200.

I desire to call attention to certain conditions which are the source of considerable annoyance and injury to owners of property binding on Vine street, between Arch and Pine streets. The area bounded by Lexington, Pine, Fayette and Arch streets lies in the form of a basin, the centre of which is considerably lower than the surfaces of the four streets named. This area is traversed from east to west by Vine street. The low point in Vine street and the adjoining houses and lots are subject, during heavy downpours of rain, to overflow to a depth, as reported by observers, of from three to four feet. The area in question is drained by three inlets, located in Vine street, and connected with the old Chatsworth run sewer, and though the sewer has ample capacity, the inlets are evidently inadequate. I have made an investigation, which leads to the conclusion that the overflow in Vine street is due to the inadequate capacity of the sewer which drains the western section of the Chatsworth run drainage area.

The rates of rainfall under which the different sections of the sewer mentioned above will run full, are shown in the following table. These figures are to be considered as fair approximations only:

Location of Sewer.	Shape and size of Section.	Grade Inclination.	Area Drained.	Rain fall per hour under which Sewer will Run Full.
German and Pine streets, from Penn street to Lexington street.	Oval, 5'x6'	0.800 per cent.	171 acres.	1.8 in.
Pine and Saratoga streets, from Lexington street to Myrtle avenue.....	Oval, 5'x6'	1.425 per cent.	168 acres.	2.5 in.
Myrtle avenue, from Saratoga street to Mulberry street..	Semi-circle, 7'x3.5'	1.300 per cent.	155 acres.	1.5 in.
Myrtle avenue, from Mulberry street to Greenwillow street.....	Semi-circle, 8'x4'	1.500 per cent.	143 acres.	2.5 in.
Greenwillow street and Shields alley, from Myrtle avenue to Hoffman st...	Semi-circle, 8'x4'	1.500 per cent.	100 acres.	3.75 in.
Hoffman street, from Shields alley to Pennsylvania ave.	Oval, 4'x6'	0.900 per cent.	75 acres.	3.4 in.
Pennsylvania avenue, from Hoffman st. to Dolphin st....	Circle, 4' diam.	1.250 per cent.	48 acres.	3.6 in.
Pennsylvania avenue from Dolphin street to Lanvale st.	Circle, 4' diam.	1.250 per cent.	40 acres.	4.3 in.
Pennsylvania avenue, from Lanvale street to Lafayette avenue.....	Circle, 3' diam.	3.600 per cent.	25 acres.	5.5 in.

The figures given above indicate as follows:

With a rainfall exceeding the rate of 1.8 inches per hour, the sewer in German and Pine streets, as far as Lexington street, and the sewer in Myrtle avenue, from Saratoga street to Mulberry street, will become surcharged and overflow; and with heavier falls of rain, the overflow will extend further up the line of the sewer. With a downpour exceeding the rate of 4.0 inches per hour, and continuing for a sufficient length of time, the sewer will be surcharged from its outlet to Pennsylvania avenue and Lanvale street. When this occurs, a large quantity of water will be forced to flow off over the surface of the streets. This overflow, or a large part of it, will pass by way of Myrtle avenue, Saratoga street and Pine street, to Vine street, and thence by way of Vine street, into the depressed area described above.

Vine street was flooded in this way during the storm of July 17, 1897, when, for the space of ten minutes, rain fell at the rate of 4.8 inches per hour.

A short section of sewer, 4.0 feet in diameter, located in Vine street and connected with the old Chatsworth run sewer, in said street, with two large inlets in Pine street, just north of Vine street, will afford the required relief to Vine street. This work can be done at an expense, approximately, of $1,800.

If required in the future, this sewer can be extended in Pine street to the north side of Lexington street, for the purpose of intercepting a portion of the flood water at the intersection of Lexington and Pine streets.

I would recommend at this time the construction of the short sewer and inlets at the intersection of Pine and Vine streets.

The rates of rain-fall given in the table above are those under which the several sections of the sewer would run full if each section discharged freely into a section having the proper additional capacity; but at several points along the line of the sewer this condition does not exist. At the intersection of Pine and Lexington streets, a section discharges into another section having the same area but less grade, and hence, less capacity. At Myrtle avenue and Mulberry streets, a section discharges into another of smaller

area. At Pennsylvania avenue and Hoffman street, a section discharges into another of the same area but less grade, and at Pennsylvania avenue and Lanvale street, a section discharges into another having a larger area but less grade and insufficient capacity.

The sewer in question, is, as shown above, unable, throughout the greater part of its extent, to discharge the water precipitated during the heavy downpours of rain.

It is possible that this sewer will at some future time, be taken out, and a much larger sewer built in its place; and this appears to me to be the only adequate remedy for the very objectionable conditions existing at the present time.

In the report of the Sewerage Commission attention is called to the inadequacy of the upper portions of this sewer in Hoffman street and Pennsylvania avenue.

In the report of the Sewerage Commission, recently issued, under the head of "Adequacy of Existing Drains," attention is called to the inadequate capacity of the Harford run intercepting drain and the Ogier run lateral drain, in the following words:

"The Harford run intercepting drain. The section, 3,267 feet in length from the outlet to the Ogier run lateral, having grades of 0.138 per cent. and 0.300 per cent., and which drains over 1,700 acres, as well as a section 418 feet in length and 8 feet in diameter just below Oliver street, with grades of 0.100 per cent. and 0.237 per cent., may both be expected to run more than full during heavy downpours under existing conditions. When, however, this watershed is more densely built up nearly all of this drain below Oliver street will require relief. This may be provided by a draw from the foot of Patuxent street to Eastern avenue, and from thence northeasterly, intercepting the flow off from and north of Highlandtown."

"Above Oliver street the capacity appears to be ample."

"The Ogier run lateral with a grade of 0.513 per cent., will have but about one-half the required capacity when its tributary area is built up. The drain proposed above in Patuxent street for the relief of the main drain may be designed so as to intercept as much drainage as necessary from this lateral."

The word "drain" used above is equivalent to our local term sewer.

The rapid growth of the city eastward, in the vicinity of Patterson Park, which may be looked for in the near future, will make the construction of a sewer to drain the valley of Ogier run a necessity which should receive due consideration.

It has been suggested that the Ogier run lateral sewer, which now terminates in Patuxent street, on the east side of Patterson Park, be extended in Patuxent street, Baltimore street, Canton street and Fairmount avenue, to East avenue—the eastern city boundary. The construction of such a sewer would cost from $50,000 to $60,000, and this sewer, as shown in the above quotation, would eventually require relief, which would only be afforded by an independent sewer, having its outlet at tide-water. A sewer beginning at tide-water, and extending in Patuxent street, Eastern avenue, Potomac street, Baltimore street, Canton street and Fairmount avenue, to East avenue, would drain the valley of Ogier run and afford the required relief to the Harford run intercepting sewer.

The branch sewer connecting with the Ogier run lateral and terminating at Baltimore street, on the north side of Patterson Park, will have to be extended as a part of a general improvement of the drainage conditions in the locality named above.

The determination of the correct locations and sizes of the sewers suggested above will require a thorough investigation of existing conditions and an accurate apportionment of the duty to be performed among the existing sewers and the proposed new sewers.

It is possible that the investigation recommended above may demonstrate that an extension of the Ogier run sewer, properly designed and located, can be made a part of a system of sewers which will provide for the drainage of the entire area to be considered; but this question cannot be satisfactorily determined until an investigation of existing condititions and future requirements has been made.

It is my intention to make the investigation recommended above, if possible, during the present winter; and in my judgment, no action should be taken with the view of extending the Ogier run

sewer, until this investigation has been made. The proposed investigation will be supplementary to the investigation made by the Sewerage Commission, and will go more fully into the details to be considered, such as the exact outlines of the area drained, and the sub-divisions of the same; the capacities of existing sewers, and the size, shape, location and cost of new sewers required.

In the western section of the city a stretch of open stream, 2,500 feet in extent, exists between the north end of the Brice alley sewer at the intersection of Brice alley and Lafayette avenue, and the south end of the Presstman street sewer near the intersection of Presstman and Monroe streets. A sewer connecting the two sewers named will complete the inclosure of the stream from the intersection of Franklin and Smallwood streets to the intersection of Clifton avenue and Monroe street.

An extension of the sewer now under construction in Clifton avenue and Payson street, northwardly and westwardly, and an extension of the so-called Bruce alley sewer northwardly in Monroe street, will be worthy of consideration in the near future. These extensions will have to be made before the section of the city north of Clifton avenue and west of Pennsylvania avenue can be fully developed and improved.

In the unimproved sections of the city the sewers, or systems of sewers, which will be required in the future, should be designed as soon as possible, and plans and profiles of the same should be kept in the City Commissioner's office; and the grades of all streets in which sewers may eventually be located should be established with reference to the elevation of the sewers.

Very Respectfully,

NEWTON M. GRAY,
Assistant City Commissioner.

Report of Charles A. Hook, Assistant City Commissioner.

Col. William A. Hanway, City Commissioner:

Dear Sir: I herewith submit my report upon works entrusted to my supervision for the year ending December 31, 1897.

The following expenditures were made from the appropriation set apart for unpaved streets:

PHILADELPHIA ROAD AND FAYETTE STREET.

To intercept the surface drainage and prevent injury to private property, as well as to maintain a passable roadway in the bed of the Philadelphia road between Patapsco and Luzerne streets, we connected a twenty-inch terra-cotta pipe with an inlet to the Harford run sewer, and laid 296 feet of same in the bed of the Philadelphia road, westward to Luzerne street. A 15-inch Y branch connection is made just east of Luzerne street, thus providing two inlets into the main pipe—one on the southeast and one on the northeast corner of Luzerne street and Philadelphia road. Whilst we were aware that the pipes laid would be inadequate to carry all the water gathering at that point in extra heavy rains, we at the same time know that they would take the constant flow and enable us to open the Philadelphia road to travel. Since an excessive quantity of water gathers at the inlets at Patapsco and Fayette streets, it was thought advisable to lay the pipe, and when the bed of Fayette street should be graded and paved side inlets could be substituted in place of the present ones and advantageously utilized to intercept a portion of the water flowing eastward on Fayette street, to the relief of the inlets at Patapsco and Fayette streets.

There were used in connection with the above work:

296 feet 20-inch terra-cotta pipe	at $0.54		$159 84
58 feet 15-inch terra-cotta pipe	at 0.30		17 40
10 barrels Portland cement	at 2.38		23 80
1,813 bricks	at 6.75		12 24
Excavation $288\frac{75}{100}$ cubic yards			159 05
Laying pipe			66 33
Building inlets and chamber			36 13
Hauling			7 25
Removing old box in road-bed			36 08
Repaving road-bed with stone, cinders, etc			245 43
			$763 55

Mt Royal avenue, between Cathedral street and Guilford avenue, repaired with refuse cobble stone and dressed with gravel. Expended $414.99.

Columbia avenue, from the end of the cobble-stone pavement to city limits, macadamized with refuse cobble and crushed nigger-head stone. Expended $241.75.

Fulton avenue, bad holes filled with gravel. Expended $27.50.

Leadenhall street, bad holes filled with crushed stone. Expended $77.47.

Total expended on unpaved streets, as per foregoing statements, $1,525.26.

REPAIRS OF BRIDGES.

The completion of the Stockholm street sewer did away with the necessity of a bridge which spanned an open drain crossing Columbia avenue near Stockholm street. The bridge was removed and the drainway filled up and paved over. The coping was used for street crossings, the abutment stone were used by Assistant City Commissioner Connet for bridge abutments elsewhere. Cost to tear down bridge and fill drainway $82.95.

REPAIRS TO PAVED STREETS.

Before the street repair work was commenced it was deemed advisable to divide the surface work of the city into two districts—the dividing line to be indicated by Jones Falls, from the northern boundary of the city to Charles street bridge, thence by Charles

street to the water's edge The western section was placed under my charge, hence the balance of my report will apply strictly to that section of the city. There were placed under my charge seven repair gangs. The regular force of a single gang consisted of four pavers, two rammers, six laborers, and two horses and carts.

This force, however, was sometimes increased or decreased, as conditions demanded. In the distribution of the gangs, I made an effort, as far as possible, to give each section of the city an equal share of the benefit of the repaired work, at the same time considering, as will hereinafter be shown, the convenience of the general public.

The streets repaired are located as follows:

Lanvale street, Carrollton avenue to Carey street; Carrollton avenue, Lanvale street to Edmondson avenue; intersection Howard and Lexington streets; Little Sharp street, Baltimore street to Fayette street; Tyson street, Madison street to Richmond street; Sutton street, Lombard street to Pratt street; Park avenue, Saratoga street to Biddle street; Eager street, Cathedral street to Park avenue; Tyson street, Park avenue to Chase street; Howard street, Park avenue to Cathedral street; Biddle street, Richmond street to Cathedral street; Decker alley, Chase street to Eager street; Dolphin street, Mt. Royal avenue to Park avenue; Park avenue, Lanvale street to Lafayette avenue; Preston street, Cathedral street to Bolton street; Hoffman street, Park avenne to Jenkins alley; Park avenue, Preston street to Dolphin street; Fulton avenue, Baltimore street to Frederick avenue; Carey street, Herkimer street to Ramsay street; Carey street, Pratt street to Lombard street; Garrett street, Charles street to Cathedral street; Leadenhall street, Montgomery street to Cross street; Cross street, Charles street to Columbia avenue; Welcome alley, Howard street to Hanover street; West street, Hanover street to Sharp street; Camden street, Charles street to Hanover street; Fort avenue, Charles street to Hanover street; Columbia avenue, Stockholm street to Bridge; Barre street, Howard street to Charles street; Stockholm street, Howard street to Leadenhall

street; intersection Frederick avenue and Gilmor street; Henrietta street, Charles street to Hanover street; intersection Camden and Howard streets; Pearl street, Saratoga street to Pennsylvania avenue; Mulberry street, Greene street to Pine street; Marion street, Eutaw street to Paca street; Pine street, Mulberry street to George street; St. Mary's street, Pennsylvania avenue to Madison avenue; Stockton street, north of Patterson avenue; intersection Winchester and Fremont streets; intersection Carey and Winchester streets; Druid Hill avenue, Eutaw street to St. Mary's street; Wyoming street, Sharp street to Crooked lane; Tyson street, Mulberry street to Franklin street; Pine street, Saratoga street to Josephine street; Cole street, Gilmor street to Mount street; German street, Paca street to Greene street; Maryland avenue, Biddle street to Oliver street; Biddle street, Cathedral street to Maryland avenue; intersection Howard and Barre streets; Eutaw street, Lee street to Hamburg street; Hamburg street, east of Eutaw street; North avenue, McMechen street to Madison avenue; Jordan street, Mosher street to Lafayette avenue; Linden avenue, North avenue to Konig street, alley along side public school south of Konig street; McMechen street, Madison avenue to McCulloh street; Druid Hill avenue, Laurens street to Presstman street; McCulloh alley, Biddle street to Lanvale street; Laurens street, Druid Hill avenue to Pennsylvania avenue; Linden avenue, Biddle street to Preston street; Preston street, Jordan street to Linden avenue; Wilson street, Park avenue to Bolton street; Hoffman street, Pennsylvania avenue to Druid Hill avenue; Etting street, Hoffman street to Dolphin street; Harlem avenue, Myrtle avenue to Brune street; Shields alley, Hoffman street to Dolphin street; Myrtle avenue, George street to Fremont avenue; Arlington avenue, Fremont avenue to Riggs avenue; Mosher street, Carrollton avenue to Calhoun street; Elbow lane, Fremont street to Paca street; Fremont street, Columbia avenue to Barre street; Monroe and Montrose streets, intersection; Baltimore street, Fulton avenue to Gilmor street; Edmondson and Carrollton avenues, intersection; Harlem avenue, Payson street to Gilmor street; Vincent street, Franklin street to Lanvale street;

Gilmor street, Lanvale street to Saratoga street; Franklin street, Carey street to Poppleton street; intersection Payson and Ramsay streets; intersection Payson and Pratt streets; intersection Ramsay and Calhoun streets; intersection Pulaski and Carey streets; Rock street, Lexington street to Saratoga street.

You will please observe, in looking over the many streets repaired, that we aimed, as far as possible, to connect different sections of the city by making repairs continuously between sections. For instance, the repairs to Pearl street and St. Mary street connects with a good driveway the locality of Charles and Madison streets with Baltimore and Pearl streets. The repairs to Laurens street connects with a repaired street; Fulton avenue, via Patterson avenue, with Eutaw Place and Laurens street. The repairs to Franklin street (except one square, which could not be finished for want of funds) connects Carey street with Fremont. The repairs to North avenue, north side from North avenue bridge to Madison avenue, gives a fair driving surface for the public from the eastern section of the city to enter Druid Hill Park by either Mt. Royal avenue or Eutaw Place entrances. Repairs to Fulton avenue connects Fulton avenue from Pattterson avenue with Baltimore street, etc. Repairs to Cross street gives a connection between Charles street and Columbia avenue, etc.

The character of work performed in connection with repairs to cobble-stone streets has been done as well as possible under the circumstances. The reason that the work soon after being repaired, becomes rough, is largely due to the disparity in the sizes and bad shape of the old stone, which must be used in making the repairs. You will notice that we used about 12,593 lin. feet, over two miles of new regulation gutter-stone in repairs made to gutters. This feature of our work, I looked upon as being most important, as a properly laid gutter takes an important part in maintaining a satisfactory sanitary condition of the streets. The following will show the number square feet of cobble-stone surface repaved, cost per square foot, length of curb reset, old gutters reset, new gutters set, etc.:

Cobblestone paving	978,686.86 sq. ft.	@ .0299c..	$29,276	12
6-inch curb reset	1,241.81 lin. ft.	@ .10c. ..	124	18
4½-inch curb reset	9,382.51 lin. ft.	@ .10c. ..	938	25
New 10-inch gutter set	12,592.60 lin. ft.	@ .26c. ..	3,274	08
Old gutter reset	22,151.24 lin. ft.	@ .05c. ..	1,107	56
Flagstones reset	14,194.74 sq. ft.	@ .10c. ..	1,419	47
Begian block repaving	2,546 sq. yds.	@ .40c. ..	1,018	40
Asphalt block repaving	396 sq. yds.	@ .40c. ..	158	40
561 reports of Police Department, Health Department, etc., repaired			2,416	56
6-inch curb, purchased for Park and Columbia avenues			207	68
700 asphalt blocks purchased			42	00
Total expenditure in western section			$39,982	70

FLAG ACCOUNT.

The following double rows were laid:

Fulton avenue, south side Baker street. Cost	$84	40
Eutaw street, north side Henrietta street. Cost	65	83
Alley, south side Sargeant street, near schoolhouse. Cost	17	05
Cathedral street, east side Richmond street. Cost	52	25
Cathedral street, east side Chase street. Cost	56	07
Total cost of laying 161½ linear feet	$275	60

(Cost 34$\frac{1}{10}$c. per square foot laid.)

The following single rows were laid:

Clifton street, east side Thirteenth street	$50	97
Ridgewood avenue, at Garrison avenue	46	83
Fernhill " " " "	46	83
Penhurst " " " "	41	42
Bellvieu " " " "	46	84
Walbrook " east side Ninth street	57	08
Ninth street, south side Walbrook avenue	58	30
Thirteenth street, north side Clifton street	61	06
Springdale avenue, at Liberty pike	60	75
Total cost to lay 387 linear feet	$470	08

All single rows were paved on both sides with cobble-stone. Cost per square foot, including cobble stone, 30c.

Two single rows of old flags from Patterson avenue lot were laid, one across Springdale avenue and one across Fairview avenue, at a cost of $31.

Total expenditure, $776.68.

PATTERSON AVENUE.

By Resolution 33, approved April 10, 1896, this department was authorized to pave the bed of Patterson avenue with asphalt blocks, between Fremont and Fulton avenues. To defray the cost of the same, were appropriated by the same resolution, the following unexpended balances: From Broadway, $1,672.04; from Aliceanna street, $18,871.79; from Pearl street, $10,917.95; giving a total appropriation of $31,461.78.

It was decided to lay the pavement upon a concrete base six inches in thickness. Specifications were accordingly prepared and the contractors were required to submit bids in conformity with the same. The Maryland Pavement Company were the only bidders and were awarded the contract. The work was performed strictly in accordance with the specifications. The work began August 2, 1897, and was completed November 17, 1897. On account of the failure to complete the work within the time specified in the contract, there was imposed a penalty for six days' delay at $25 per day, amounting to $150.

The prices and cost of the work are exhibted in the following transcript of the final estimate:

Asphalt block paving, including grading and the taking up of the old cobble-stone pavement, flagstones, gutter-stones, and four-and-one-half inch curbstones; also furnishing contrete base, sand and rolling, as per specifications, 11264.8 square yards at	$2.25	$25,345 80
New 10-inch gutter-stones, 3113.0 lin. ft., at	0.35	1,089 55
New 4½-inch curb, 4278.4 lin. ft., at	0.65	2,780 96
New 4½-inch circles, 197.8 lin. ft., at	1.30	257 14
New 6-inch curb, 6.0 lin. ft., at	0.89	5 34
Old 4½-inch curb, dressed, pointed and set, 720.8 lin. feet, at	0.30	216 24
Old curb reset, 974.6 lin. ft., at	0.15	146 19
Cobble repaving, 22155.0 sq. ft., at	0.05	1,107 75
New gutter (extra), 70.0 lin. ft., at	0.15	10 50
		$30,959 47
Less amount deducted on account forfeit for delay in completing work		150 00
		$30,809 47

Of the total estimate, $30,959.47, ten per cent., amounting to $3,095.95, is retained for a period of five years from the date of completion, during which time the Maryland Pavement Company are required to keep the pavement in thorough repair.

The hauling of old cobble-stones, curbstones and flagstones from Patterson avenue was awarded to Patrick Keelty, the lowest bidder. The stone was hauled to a vacant lot located upon Patterson avenue, and also to the several paving gangs throughout the city. The prices and cost of this work are shown by the following final estimate:

Hauling to Vacant Lot.

Cobble-stones, 11 cubic yards, at 25 cents	$ 2 75
Curbstones and flagstones, 3,524 linear feet, at 4 cents	140 96

Hauling to Other Points.

Cobble-stones, 1,050 cubic yards, hauled 6,750 feet, at 5½ cents per cubic yard, per 1,000 feet	389 81
Curbstones and flagstones, 1,770 linear feet, hauled 8,500 feet, at one-quarter cent per linear foot per 1,000 feet	37 61
	$571 13

The total cost of the work was as follows:

Estimate to Maryland Pavement Company	$30,809 47
" " Patrick Keelty	571 13
Advertising, engineering, inspection, &c	659 97
	$32,040 57

Since various items connected with the work were properly chargeable to repairs of streets, the sum of $578.79 was so charged, leaving $31,461.78 to be charged against Resolution 33, 4-10, 1896, thus entirely consuming the appropriation.

By Ordinacce 56, approved July 2, 1897, this department was authorized to pave the driveways of Park avenue with vitrified bricks.

Specifications were prepared setting forth a standard by which we could intelligently consider the quality of paving bricks which would be offered in competition for the contract. The following table indicates the requirements of the specifications, as well as the actual tests of the bricks submitted with the names of the bidders:

Names.	Dimension.			Weight.		Specific gravity.	Abrasion test.					Absorption test.					Number of bricks per square yard.
	Length, inches.	Depth, inches.	Width, inches.	Lbs	Oz.		Wt. of 3 bricks before test.		Wt. of 3 bricks after test.		Per Cent.	Wt. of 1 brick before test.		Wt. of 1 brick after test.		Per Cent.	
							Lbs	Oz.	Lbs	Oz.		Lbs	Oz.	Lbs	Oz.		
D. P. Guise	$8\frac{7}{16}$	4	$2\frac{5}{8}$	7	$5\frac{3}{8}$	5 2.20	22	$\frac{1}{8}$	21	$12\frac{3}{4}$	2 $1\frac{3}{10}$	7	$5\frac{3}{8}$	7	$5\frac{3}{4}$	1 $0\frac{319}{1000}$	56.66
The Athens Brick Co.	9	4	3	8	$8\frac{5}{16}$	4 2.21	25	$8\frac{15}{16}$	24	$9\frac{1}{2}$	4 $3\frac{8}{10}$	8	$8\frac{5}{16}$	8	$9\frac{1}{4}$	3 $0\frac{685}{1000}$	46.75
J. N. Du Barry & Co.	9	$4\frac{1}{4}$	3	9	$2\frac{3}{4}$	3 2.23	27	$8\frac{1}{4}$	26	$10\frac{3}{8}$	3 3	8	$12\frac{5}{8}$	8	$13\frac{3}{4}$	4 $0\frac{851}{1000}$	46.75
B. Wallis & Co.	$8\frac{15}{16}$	$4\frac{1}{4}$	$2\frac{1}{2}$	7	$14\frac{3}{8}$	2 2.29	23	$11\frac{1}{8}$	23	$7\frac{7}{8}$	1 $0\frac{86}{100}$	7	$14\frac{3}{8}$	8	$1\frac{1}{4}$	5 $2\frac{26}{100}$	56.25
Townsend Brick Co.	9	$3\frac{15}{16}$	3	9	$2\frac{1}{4}$	1 2.34	27	$8\frac{3}{4}$	25	10	5 $6\frac{65}{100}$	9	$2\frac{1}{4}$	9	3	2 $0\frac{512}{1000}$	46.75
Specifications call for.	8 to 9	Not less than 4	$2\frac{1}{2}$ to 3	.....		Not less than 2	.....		.....		Not more than 15%	.....		.....		Not more than $1\frac{1}{2}$%	.....

The heavy figures show relative positions in different tests.

It will be seen that the samples submitted by D. P. Guise, of Williamsport, Pa., came up to the specifications in the abrasion test, and stood No. 1 and No. 2 in other tests, at the same time being the lowest bid per thousand, hence the contract was awarded to him. This work consisted in preparing the bed of the street by excavating the same to conform to the finished street surface. After a thorough rolling, a layer of concrete, four inches thick, was spread and rammed over the surface of the street; upon this surface there was laid a cushion of fine sharp sand, into which the bricks were closely paved upon the herring-bone plan, and then rammed to a permanent bed.

The following statement will show the prices and cost of the work:

221,533 vitrified bricks, at $17.50 per thousand		$3,876 83
1,000 cubic yards grading, at 34½c. per cubic yard		345 00
145.59 cubic yards grading, at 34½c. per cubic yard		50 23
3836.5 square yards 4-inch concrete base, at 32¾c per square yard		1,256 45
341.3 cubic yards sand at 70c. per cubic yard		238 91
		$5,767 42
Deduct bricks for gutter north of Newington avenue	7,450	
Deduct bricks hauled to Belair storage yard	614	
	8,064 at $17.50	141 12
		$5,626 30
Cost of labor, inspection and sundry expenses		1,032 92
		$6,659 22

Cobble Reparing in Cross Streets.

Cobble repaving	$100 06	
Sand	6 56	
		106 56
		$6,765 78

Cost of brick paving, exclusive of cobble work, $1.73^{578} per square yard.

Cost of brick paving, including cobble work, 1.76^{\text{m}}$ per square yard.

Total amount paved, 3836.5 square yards.

Began work October 7, 1897, and completed December 16, 1897.

The ordinance which authorized the Park avenue paving also provided for the grading, paving of gutters and the graveling of the driveways of Park avenue from Newington avenue northward to its terminus. The grading was done, the gutters were paved and the driveways were graveled and rolled. In consequence of a long and continued season of rainy weather, this work could not be done as it would have been, had the weather permitted. The following statement will show the expenditure made in connection with this part of the work, which includes:

Grading, resetting curb, paving gutters with vitrified bricks, cobble stone, labor and rolling	$1,212 95
Cost of gravel purchased	29 10
Cost of sand	86 10
7,054 vitrified bricks at $17.50 per thousand	120 92
	$1,449 07

REPAIRS OF STREETS, ROADS, ETC., IN ANNEX WESTERN SECTION.

Windsor Mill road was ditched and dressed with crushed stone from city boundary to Liberty road. Expended, $468.53.

Morris avenue was ditched and dresssed with crushed stone from Franklin turnpike to Liberty road. Expended, $358.82.

Old Frederick road was ditched 570 lin. feet, gutters paved 4 feet wide and dressed with crushed stone from city limits to Fredick turnpike. Expended, $766.76.

Park Heights avenue was dressed with crushed stone and rolled with steam roller, from Park gate to Fifth avenue. Expended, $1,148.68.

Garrison avenue was repaired with crushed stone at points where most needed between city boundary and Liberty road. Expended, $224.92.

Old Liberty road was ditched and repaired with material taken from banks along the road, from the Reisterstown turnpike to Garrison avenue. Expended, $265,47.

Edmondson avenue was repaired with crushed stone in places between the Franklin road and a point about 500 feet west of Gwynns Falls bridge. Expended, $462.67.

Woodberry avenue was dressed with crushed stone from Northern Central Railroad crossing to Parkdale avenue, also gutters repaved and box culvert repaired. Expended, $295.77.

Slingluff avenue dressed with crushed stone from North avenue south for a distance of about 250 feet, also ditched and shaped up. Expended, $157.91.

Millington avenue was shaped up and ditched, also gutters paved and 22 lineal feet flags, four feet wide, laid at Lehman street. Expended, $19.88.

Fulton avenue was filled between car tracks from North avenue to Pennsylvania avenue with material taken from the excavation on Park avenue, between Reservoir street and Newington avenue. Expended, $118.36.

Fulton avenue was repaired with refuse cobble-stone from city paving gangs, and dressed with gravel from Clifton avenue to Pennsylvania avenue. Expended, $228.63.

Eutaw Place extended was dressed in the driveway, between the cobble-stone pavement, with small crushed stone in places where most needed. Expended, $280.15.

Baltimore street and Catherine street, culvert repaired and wing walls rebuilt. Expended, $31.83.

Garrison lane, ditched, shaped up and dressed in places with broken stone. Expended, $76.87,

North avenue was generally repaired and ditched from Payson to Eighth streets. Expended, $336.58.

Mary street and Clifton avenue, the intersection was shaped up, gutters paved, &c. Expended, $85.46.

Caton avenue was ditched, shaped up and dressed with crushed stone south of Frederick turnpike. Expended, $158.98.

Ninth street (Walbrook), ditched in places, dressed with crushed stone. Expended, $159.87.

Konig street and Linden avenue, repaving by city paving gang. Expended, $95,25.

Calverton road and Florence street (Calverton), were ditched, shaped up and repaired with crushed stone at points where most needed. Expended, $124.27.

Beach avenue was ditched and road bed shaped up. Expended, $162.54.

Various other streets and roads ditched and repaired in places throughout the western section of Annex. A large number of washouts filled and repaired, box culverts and drains repaired, and Police Department reports attended to and repaired. Expended. $674.29,

Total expenditure for material and labor in western section of Annex $6,670.66.

In conclusion, I desire to acknowledge the valuable assistance rendered by my office associates as well as the general faithfulness to duty of all other employes.

Respectfully submitted.

CHARLES A. HOOK,
Assistant City Commissioner.

Report of O. W. Connet, Asst. City Commissioner.

BALTIMORE, MD., January 1, 1898.

Col. W. A. Hanway, City Commissioner:

DEAR SIR: I submit herewith the annual report of the work done under my direction during the year ending December 31, 1897. This includes all repairs of paved streets from January 1 to June 7, and all east of Jones' Falls and Charles street after that date; all repairs in the Annex to June 7, and all east of Jones' Falls after that date; all repairs and painting of bridges; supervision and repairs of Light-street bridge; repairs of unpaved streets; supervision of new cobble paving paid by assessment; supervision of new paving under permits; supervision of new paving in this department by special agreement; inspection of footways and notices to pave and repair same over the entire city; supervision of new street railway construction east of Charles street; inspection of pavement alongside and between tracks of street railways, and notices to repair same; supervision of and supplies to storage lot; estimates for new improved pavements, and repairs to wall at foot of Falls street.

The levy appropriation was not available until July 2, 1897, so that the greater part of the work was done during the last six months of the year.

REPAIRS OF PAVED STREETS AND CROSS STREETS.

The expenditures under these two appropriations are so closely related that they will be considered together. The various kinds of work charged in part to each of these accounts is as follows: Repairs to sheet asphalt, asphalt block, vitrified brick, granite block and cobble-stone pavements, also repairs to granolithic gutters, stone-covered gutters, gutters covered with iron plates, etc.

The principal charges to the cross streets fund are the intersections of streets paid for by assessment, but a certain amount of repairs is also charged to this fund. The funds for repairs of paved streets is used in repairs to cobble-stone street and improved pavements.

The number of separate pieces of work done under these two accounts is so great that only a few of the larger and more important ones can be given in detail, and the greater part only referred to in the totals. The records of the office, however, are so kept that the cost, amount of work, date, etc., can be given for each piece of work.

The total amount expended out of the two funds under my direction is $74,609.56; the work done is shown in the following statements and lists:

SHEET ASPHALT.

Work on the repairs of streets paved with sheet asphalt was continued by the Southern Asphalt Paving Company, under its contract of June 26, 1896, until June 16, 1897, after which date a special contract was made with the same company for the resurfacing of the south half of Lexington street, between Calvert and North streets, at $2.00 per square yard, guaranteed for five years, also a small amount of patch work at $3.50 per square yard.

The total amount spent for sheet asphalt and work in connection with the same was $16,909.56, of which amount $103.95 was charged to repairs of cross streets and the balance to repairs of paved streets.

The following list shows the location, cost of repairs and date of completion; the guarantee lasting for five years from dates given:

Camden street, between Hanover and Sharp streets. Completed April 22, 1897.		
2-in. topping, guaranteed, 1,574.49 square yards, at $0.91	$1,432 79	
1½-in. binder, under guaranteed topping, 1,631.96 square yards, at $0.45	734 38	
Old material removed, 1,493.44 square yards, at $0.19	283 75	
Concrete, 426.22 square yards, at $0.65	277 04	
		$2,727 96

Camden street, between Sharp and Howard streets. Completed March 30, 1897.		
2-in. topping, guaranteed, 1,400.46 square yards, at $0.91	$1,274 42	
1½-in. binder, under guaranteed topping, 1,593.88 square yards, at $0.45	717 24	
Old material removed, 1,303.72 square yards, at $0.19	247 70	
Concrete, 403.01 square yards, at $0.65	261 96	
		2,501 32
Cross street, between Light and Charles streets. Completed April 29, 1897.		
2-in. topping, guaranteed, 1,581.95 square yards, at $0.91	$1,439 57	
1½-in. binder, under guaranteed topping, 1,693.31 square yards, at $0.45	761 99	
Old material removed, 1,417.12 square yards, at $0.19	269 25	
Concrete, 162.47 square yards, at $0.65	105 61	
Labor-setting Belgian blocks	31 22	
		2,607 64
Weyler street, between Light and Charles streets. Completed April 29, 1897.		
1½-in. topping, guaranteed, 502.12 square yards, at $0.73	$366 55	
1½-in. binder, under guaranteed topping, 517.22 square yards, at $0.45	232 75	
Old material removed, 445.64 square yards, at $0.19	84 67	
Labor-setting line blocks and gutter-stones	162 59	
		846 56
Patterson avenue, between Pennsylvania and Fremont avenues. Completed May 8, 1897.		
2-in. topping, guaranteed, 726.72 square yards, at $0.91	$661 32	
1½-in. binder, under guaranteed topping, 726.72 square yards, at $0.45	327 02	
Old material removed, 1,031.14 square yards, at $0.19	195 92	
		1,184 26
Hollins street, between Carrollton avenue and Schroeder street, including intersection of Carrollton avenue. Completed May 18, 1897.		
2-in. topping, guaranteed, 372.01 square yards, at $0.91	$338 53	
1½-in. topping, guaranteed, 271.17 square yards, at $0.73	197 95	
1½-in. binder, under guaranteed topping, 669.61 square yards, at $0.45	301 32	
Old material removed, 1,167.89 square yards, at $0.19	221 90	
Line block, gutter and flagstones reset	271 39	
		1,331 09

Belair Market. Completed January 4, 1897.		
2-in. topping, guaranteed, 622.89 square yards, at $0.91	$566 83	
2-in. topping, not guaranteed, 34.13 square yards, at $0.87	29 69	
1½-in. topping, not guaranteed, 186.11 square yards, at $0.66	321 03	
1½-in. binder, 1,109.31 square yards, at $0.45	499 19	
Concrete, 148.84 square yards, at $0.65	96 75	
Old material removed, 604.79 square yards, at $0.19	114 91	
Labor setting Belgian blocks	13 95	
		1,642 35
Hollins Market.		
2-in. topping, not guaranteed, 426.25 square yards, at $0.87	$371 01	
1½-in. topping, not guaranteed, 225.96 square yards, at $0.66	149 13	
1½-in. binder, 654.47 square yards, at $0.45	294 51	
Concrete, 31.65 square yards, at $0.65	20 57	
		835 22
Lafayette Market.		
1½-in. topping, not guaranteed, 373.77 square yards, at $0.66	246 69	
1½-in. binder, 373.77 square yards, at $0.45	168 20	
Labor setting Belgian blocks	7 36	
		422 25
Sharp street, between Pratt and Camden streets.		
2-in. topping, not guaranteed, 665.17 square yards, at $0.87	$578 70	
1½-in. topping, not guaranteed, 70.41 square yards, at $0.66	46 47	
1½-in. binder, 735.58 square yards, at $0.45	331 01	
Concrete, 25.32 square yards, at $0.65	16 46	
Old material removed, 694.98 square yards, at $0.19	132 05	
Granolithic gutters, 96.10 square feet, at $0.35	33 64	
		1,138 33
Repairs Broadway, Preston street to Canton avenue		505 14
" Calvert street, Read street to Mt. Royal avenue		67 15
" East Baltimore street		1 19
" intersection Chase street and Greenmount avenue		10 21
" old Southern Police Station		73 23
" Richmond Market		70 84
" Weyler street		4 81
" Camden lane		64 84
" Chase street		16 08
" streets adjacent to City Hall and Low street		172 68
Lexington street, south side, between North and Calvert streets, resurfacing. Completed October 25, 1897. 336.83 square yards, at $2		673 66
Repairs, alley south of Hanover Market, and flagstones		12 75
		$16,909 56

ASPHALT BLOCKS.

The total amount spent on repairs of streets paved with asphalt blocks was $6,102.18; 2,719.6 square yards were repaved with new blocks, and 4,025 square yards with old blocks selected from those taken up, The work was done by day's labor. The new blocks used cost 6 cents each or $1.50 per square yard.

The principal work done was on the east side of Eutaw Place, from Dolphin street to North avenue, as follows;

New asphalt block paving, 1,888 square yards, at $1.82¼ ...	$3,443 71
Old asphalt block repaving, 3,687 square yards, at .22¼ ...	825 89
	$4,269 60

The intersection of Charles and Madison streets was repaved with new blocks, and charged to cross streets, viz.:

New asphalt block paving, 636.6 square yards, at $1.87.....	$1,190 42

Minor repairs were made on Mount Vernon Place, Cathedral, Saratoga, Lexington and Eutaw streets, at a cost of $356.33. A bicycle path was put down on Mount Royal avenue 561 feet long at a cost of $285.83; $4,911.76 of the amount spent was charged to street repairs. A large amount of repairs will be necessary during the coming season.

VITRIFIED BRICK.

The only repairs made to vitrified brick pavement was on the east side of Broadway, just north of Baltimore street. The area paved was 85.2 square yards with new brick and 84.2 square yards repaved at a total cost of $209.24.

GRANITE BLOCKS.

The principal repairs to this kind of pavement was made on Light street, between Pratt and Lee streets, and on West Falls avenue, between Pratt and Block streets. No blocks were purchased during the year, but 20,414 were used from Belair lot.

I would call especial attention to Light street, between Pratt and Lee streets. This street is narrow and subjected to constant travel of the heaviest kind. The street was originally paved in 1874 on a sand base. The blocks are now worn out and the street should be repaved with new granite blocks on a concrete base.

The work done during the year is as follows:

Granite block repaving, 50,173 square feet, at 3 6-10c	$1,862 51
Kerb reset, 70.5 lineal feet, at 10c	7 01
Gutter reset, 258 lineal feet, at 5c	12 90
Flags reset, 1,373 square feet, at 8½c	116 71
Total	$1,999 13

Of this amount $316.19 was charged to cross streets and $1,682.94 to repairs of paved streets.

COBBLE-STONES.

A large amount of work has been done on cobble-stone streets during the past year, notwithstanding the lateness of the appropriation. In the eastern section the area paved is equivalent to the amount required to repave a street 4.75 miles long and 40 feet wide between curbs.

On a large number of streets the amount of new cobble-stone necessary to replace the small stone was as high as 20 per cent., and in a few cases as high as 25 and 30 per cent. This is specially true of streets in the southeastern part of the city, where a number of streets are paved with small stones, which had been used as ballast by vessels coming to this port. This large amount of new stone, together with the very large number of small repairs made in the eastern section, has raised the average cost of repaving above what it would be in other parts of the city.

The following is the amount of work done, and cost of same:

New gutter set	13,982	lineal feet, at	$0.20	$2,796 40
Old " reset	11,633	" "	0.05	581 65
Old curb "	8,967	" "	0.10	896 70
Flagstone "	11,502	square feet, at	0.10	1,150 20
Brick paving relaid	2,096	" "	0.07	146 72
Cobble repaving	1,020,991	" "	0.035	35,734 68
Tolal				$41,306 35

The following is a list of cobble streets on which work, amounting to $200 and over, was done. In addition to this there were about 800 jobs on which less amounts were spent:

Granby street, from Exeter street to Front street; Howard street, from Lee street to Camden street; Hoffman street, from Ensor street to Harford avenue; Milton avenue, from Fairmount

avenue to Fayette street; Hargrove alley, from Centre street to Madison street; Concord and Water streets; Holliday street, from Centre street to Monument street; Rogers avenue, from Gay street to Low street; Oliver and Caroline streets; Exchange Place, from South street to Gay street; Monument street, from Davis street to North street; Oliver and Wolfe streets; Front street, from Baltimore street to Lombard street; Stansbury alley, from Mott street to Gay street; Aliceanna street, Albemarle street to President street; Valley street, from Eager street to Chase street; Lovegrove alley, from Pleasant street to Centre street; Port and Baltimore streets, and Aisquith and Townsend streets; Spring and Lanvale streets; High street, between Baltimore and Lombard streets; Harford avenue, from Chase street to North avenue; Eastern avenue, from Jones Falls to Central avenue; Monument street, from North street to Ensor street; Eager street, from Greenmount avenue to Eden street; Lombard street, from Exeter street to Bond street; Canton avenue, from Jones Falls to Central avenue; Eutaw street, from Camden street to Lee street; High street, Baltimore street to Gay street; Davis street, from Franklin street to Lexington street; McElderry street, from Forest street to Bond street; Albermarle street, from Baltimore street to Eastern avenue; Holliday street, from Baltimore street to Lombard street; Hughes street, from Battery avenue to Covington street; Townsend street, from Bond street to Broadway; Buchanan's wharf, from Pratt street south; Harrison street, from Gay street to Baltimore street; President street, from Pratt street to Canton avenue; Bath and North streets; streets around Johns Hopkins Hospital; Centre street, from Calvert street to Charles street; Dallas street, from Preston street to Oliver street.

GRANOLITHIC GUTTERS.

On May 19, 1897, a contract was made with Arthur L. Shreeve & Co. to repair the granolithic gutters in the city at thirty-one (31) cents per square foot, with a guarantee of the work for one year. Work was begun June 7 and completed June 30, 1897.

The specifications required the base of the gutter to be six (6) inches of concrete, composed of one (1) part Portland cement, two

(2) parts clean sharp sand and four (4) parts clean broken stone not more than one and one-half (1½) inches in diameter; the granolithic coat to be three (3) inches thick, composed of two (2) parts Portland cement to three (3) parts of three-eighth (⅜) inch crushed granite, and the surface coat to be two (2) parts Portland cement to one (1) part clean beach sand, each coat to be put on before the previous one has set.

The location, date of completion, area and cost is given in the following table:

Location of granolithic gutters.	Date of completion, 1897.	Area.				
Broadway	June 14.	717.67	sq. ft.	at	$0.31	$231 78
Chase street	" 15.	164.48	"	at	"	50 99
Calvert street	" 14.	51.01	"	at	"	15 81
Mulberry street	" 17.	31.88	"	at	"	9 88
Holliday street	" 30.	13.14	"	at	"	4 07
Lexington street between Calvert and North streets.	" 30.	8.93	"	at	"	2 77
Streets around Richmond Market	" 15.	63.91	"	at	"	19 81
Eutaw street	" 15.	98.11	"	at	"	30 11
East Baltimore street	" 11.	24.45	"	at	"	7 58
Lexington street from Pearl street to Fulton avenue	" 26.	499.39	"	at	"	154 81
Saratoga street from Liberty street to Fremont avenue.	" 23.	1992.26	"	at	"	617 60
Lafayette avenue from Mt. Royal ave. to Fulton ave.	" 30.	626.36	"	at	"	194 17
						$1,339 68

COVERED GUTTERS, ETC.

Three stone gutter covers were broken, two were replaced by contract at a cost of $65, and the other was replaced by one from Belair lot by day's labor. One asphalt gutter, 32 feet long, on Broadway was replaced by an open-stone gutter at a cost of $29.20. Thirty-nine gutters covered with iron plates on wooden sills were repaired and sills renewed at a cost of $628.97. Of the above one stone gutter cover at $31 was charged to repairs of paved streets and the balance $692.17 to cross streets.

ANNEX.

The total amount expended under my direction in the Annex is $11,840.49. Of this amount $1,678.56 was spent in repairs and painting bridges, as shown under the head of "Bridges;" $3,864,03 in repairs of cobble paved streets; $126.13 for gutter on Friendship street, resolution 41 of 1897; $133.16 for macadam on Sinclair lane, Resolution 40 of 1897; $295.50 for two sewer inlets at Calvert and Twenty-third streets, and the balance $5,743 11 in repairs to macadam and unimproved streets.

Repaving on cobble streets was done at the following places: Twenty-first street, from Maryland avenue to Guilford avenue; Twentieth street, from St. Paul street to Oak street; Twenty-fourth street, between Maryland avenue and Oak street; Twenty-second steeet, between Maryland avenue and Oak street; Cedar avenue, near First avenue; Hargrove alley, from Twenty-first to Twenty-second streets, etc.

The work done on the above is as follows:

Cobble repaving	123,418 sq. ft. at	$0.0305 ..	$3,764 63
Gutter reset	656 lin ft. at	0.05 ..	32 80
Curb reset	96 lin. ft. at	0.10 ..	9 60
New gutter	285 lin. ft. at	0.20 ..	57 00
Total			$3,864 03

Under Resolution No. 41 a gutter was paved on the north side of Friendship street, from Reese street to Jenkins run. Under Resolution No. 40 Sinclair lane was macadamized from Belair road to a point 200 feet east.

Two sewer inlets were put in at the northeast and northwest corners of Calvert and Twenty-third streets. These are the only inlets to Lovegrove alley sewer above Twenty-first street and were very much needed.

The principal work done on macadam streets and roads was as follows:

Erdman avenue, from Harford aveuue to Belair road; Old York road, from York road to northern city limits; Remington avenue, from Thirtieth street to Cedar avenue; Merryman's lane, from Falls road to Hickory avenne; Cedar avenue, from Hampden ave-

nue to Merryman's lane; Maiden's Choice lane, from Carroll avenue to southern city limits.

Aside from the above, the stone culvert on Montebello avenue, at Filmore street, was rebuilt; a number of box culverts rebuilt and repaired, and a large number of unpaved streets in Homestead, Waverly and Hampden were ditched and shaped.

I would strongly recommend the use of macadam on the streets of the Annex instead of cobble stone. The former is as cheap as cobble; it is smooth and easily kept in repair if attended to in time.

The amount of money appropriated for the Annex in this department is not enough to properly do the vast amount of work required. The appropriation is supposed to cover all work on the twenty-seven bridges in the Annex, ninety-five miles of streets, besides all work on sewers, drain boxes, etc.

The wooden sewer on Merryman's lane, from the York road to Barclay street, is fast falling to pieces. Something will have to be done to carry this drainage. Thirty-second street should be opened and the sewer constructed in this street, as the present arrangement is very bad.

AUGUSTA AVENUE.

The work of macadamizing Augusta avenue was completed in January, 1897, and paid for by an appropriation of $1,089, provided for in Resolution No. 34 of 1897. This avenue is subjected to about as much travel as most of the streets in the Annex. It has been in use a year, and is in first-class condition. It is a sample of a very cheap improvement which is practical for the Annex the cost was 75c. per lineal foot.

BRIDGES.

One of the most important charges of this department is the care of the bridges, forty (40) of which are in the city, and twenty-seven(27)in the Annex. A number of them are expensive structures and should have proper care; almost all of them have suffered greatly for lack of paint, some of them not having been painted for fifteen (15) to twenty (20) years; also, many of the floors were dangerous. The floors were first put in good condition, and the

balance of the appropriation used to paint the larger and more important bridges. We found the lower parts of these bridges were so covered with rust as to require a thorough cleaning and scraping, in a number of cases the rust was from one-eighth to one-quarter inch thick. Scaling hammers and steel brushes were used, and the iron was thoroughly cleaned before the paint was put on, special care being taken to clean the joints of the structures, and those members and parts which are least accessible, and had therefore been slighted when painted formerly.

There was evidence that former painting had been done on top of the rust, and instead of preserving the iron, the rusting had continued and the paint had fallen off. It is essential that the iron or steel be thoroughly cleaned before the paint is put on, for the best of paints will not prevent the rust if this is not done.

Among the bridges which remain to be painted, the most urgent are South Monroe street, Merryman's lane, Charles street, Biddle street, Guilford avenue, Chase street, Monument street, Bath street, Fayette street and Canton avenue.

The following statement gives the character of the work and amount spent for labor and material on the brigdes repaired.

BRIDGES.

	Labor.	Materials.	Total.
Aliceanna-street Bridge—			
Repairing floor	$ 84	$ 1 40	$2 24
Argyle-avenue Bridge—			
Repairing hand-rail	2 25		
Tearing up old floor	41 74		
Scraping painting	882 87	71 53	
Laying new floor	102 00	616 78	
Total	$1,028 86	$688 31	$1,717 17
Block-street Draw-bridge—			
Supplies for 1897		$57 45	
New cable reaching same	$15 00	64 85	
Repairs to machinery and bridge		21 27	
Trimming face of west abutment	17 50		
Total	$32 50	$143 57	$176 07
Bath-street Bridge—			
Repairs to sidewalk	$ 75		75
Biddle-street Bridge—			
New panel hand-rail	83	$5 00	5 83
Boston-street Bridge—			
Repairs to roadway and sidewalks	1 25	2 94	4 19
Centre-street Bridge—			
Renewing sidewalks	81 16	109 68	190 84
Calvert-street Bridge—			
Scraping	994 75		
Painting	701 19	213 39	
Total	$1,695 94	$213 39	$1,909 33
Canton-avenue Bridge—			
Repairing sidewalks	$ 2 02		
Laying new top floor	62 00	$198 01	
Total	$64 02	$198 01	$262 03
Eastern-avenue Bridge—			
Renewing north sidewalk	$ 25 07	$76 03	
Scraping	185 24		
Painting by contract	100 00		
Total	$310 31	$76 03	$386 34
Guilford-avenue Bridge—			
New top roadway floor on either side of Consolidated Railway Company's tracks	$79 34	232 59	311 93

BRIDGES—Continued.

	Labor.	Materials.	Total.
Gay-street Bridge—			
Scraping	385 76		
Painting	173 33	63 64	
Total	$559 09	$63 64	$622 73
Fayette-street Bridge—			
New sidewalks	$69 24	$88 57	157 81
Harman's Bridge—			
New stringers where needed, iidem posts and caps, new floor and hand-rail	740 12	1,914 94	2,655 06
Hillen-street Bridge—			
Repairs to sidewalks	1 66	11 34	
New top floor on either side of Consolidated Railway Company's tracks	19 86	33 18	
Total	$21 52	$44 52	$66 04
Lancaster-street Bridge—			
Fixing hand-rail	$ 1 83		1 83
Lombard-street Bridge—			
New sidewalks	56 67	$86 39	143 06
Leadenhall-street Bridges—			
New floors	12 51	50 40	62 91
South Monroe-street Bridge—			
Minor repairs to roadway, placing new hand-rail sill on east side, new sheathing floor on roadways	146 61	399 49	546 10
Monument-street Bridge—			
Minor repairs	1 25		
New top floor north roadway and truss guards	69 99	132 28	
Total	$71 24	$132 28	$203 52
Maryland-avenue Bridge—			
New top floor on either side of Consolidated Railway Company's tracks	$66 74	$99 71	166 45
Madison-street Bridge—			
Repairs to sidewalk	52	25	77
Preston-street Bridge—			
Repairs to sidewalk	1 56	1 51	
New sidewalks	86 18	124 56	
Total	$87 74	$126 07	$213 81

BRIDGES—Continued.

	Labor.	Materials.	Total.
Pratt-street Bridge—			
Scraping	$230 89		
Painting	218 14	$25 96	
Total	$449 03	$25 96	
			$457 99
St. Paul-street Bridge—			
Repairing cast-iron ornament, scraping and general overhauling	$2,044 39		
Painting	935 71	$631 14	
Total	$2,980 10	$631 14	
			$3,611 24
Inspecting sand blast in New York City		$22 55	22 55
Cedar-avenue Bridge—			
Repairs	$4 50		
Paint		$71 00	
Total	$4 50	$71 00	
			$75 50
Friendship-lane Bridge—			
Repairs	$1 50		1 50
Wilkens-avenue Bridge	1 02		1 02
Lexington-street Bridge		$3 50	3 50
Salaries charge to bridges	325 00		325 00
Sundries, including scrapers, brushes, scaling hammers, paint brushes, rope, iron for hangers, lumber for scaffolding, forge, anvils, tools of all description; some of which items being in good order are stored at Bel Air lot		594 60	
			$594 60
			$14,916 71

ANNEX BRIDGES.

	Labor.	Materials.	Total.
Beach-avenue Bridge—			
Repairs to floor	$5 74	$8 93	$14 67
Cedar-avenue Bridge—			
Partial new top floor	69 83	114 82	
Scraping	627 25	3 00	
Painting	384 49	98 74	
Total	$1,081 57	$216 56	$1,298 13
Culver-street Bridge—			
New bridge	$8 97	$21 00	29 97
Dorsey's-lane Bridge—			
Minor repairs	3 02	84	3 86
Edmondson-avenue Bridge—			
Repairs to roadway	31 78	4 00	35 78
Falls Road Bridge—			
Minor repairs	1 00		1 00
Friendship lane Bridge—			
Rebuilding	4 67	16 38	21 05
Lexington-street Bridge—			
New floor and sidewalks	55 83	79 07	134 90
Morris-avenue Bridge—			
Minor repairs	5 84	1 00	6 84
Merryman's lane Bridge—			
Repairs to floor	3 14	4 38	7 52
Old York Road Culvert—			
Partial rebuilding	8 33	12 80	21 13
Oxford-avenue Bridge—			
Repairs	63		63
Slingluff-avenue Bridges—			
Repairs to trusses and floors	14 99	8 53	23 52
Sycamore street Culvert—			
Rebuilding	24 34	34 09	58 43
Union-avenue Bridge—			
Repairs to sidewalks	2 13		2 13
Wilkens-avenue Old Bridge—			
Repairs to floor	1 50	1 12	2 62
Garrison-lane Bridge—			
New floor joists	6 92	9 46	16 38
Total	$1,260 40	$418 16	$1,678 56

LIGHT STREET BRIDGE.

During the year, sixteen hundred and twenty-five (1,625) lineal feet of new top roadway floor was laid, beginning at the south end of the bridge. During this year it will require the renewal of the greater part of the rest of the top roadway floor and also repairs to hand-rails, etc.

Both engines have been repaired and put in thorough order. A new clutch was put on the shaft of old engine so that now either engine may be connected at once with the shaft that opens the draw. New straps were put in and the drums lined up.

The following list shows the cost of maintenance and repairs on the bridge:

Salaries for maintenance	$3,078 34	.....	
Coal for furnaces and advertising	.....	$261 88	
Oils for engines, lamps, etc	.....	48 08	
Repairs to machinery	.....	158 98	
Nails, etc	.....	27 50	
Lumber for covering 1,625 lin. feet new top floor	.....	1,530 10	
Labor laying 1,625 lin. feet new top floor	197 73	.....	
Total	$3,276 07	$2,026 54	
			$5,302 61

UNPAVED STREETS.

The principal work done on unpaved streets in the eastern seetion was on East Monument street, East North avenue and on Loney's lane. On East Monument street 920 feet of gutter was reset and 2,700 square feet of cobble was paved around the same, and a large amount of old cobble was broken upon the street.

On North avenue, east of Gay street, ditches were opened up and 110 cubic yards of crushed stone put on and rolled.

On Loney's lane the ditches were opened up from Philadelphia road to Biddle street and 920 cubic yards of oyster shells put on. This was as far as the appropriation would carry the work. The rest of the lane is in very bad condition, and will be practically impassable in the spring.

The amount of money spent in the eastern section was $1,473.83. Of this amount $889.83 was used for labor, $392.00 for oyster

shells, $143.00 for broken stone, and the balance $49.00 for hauling, tools, etc.

A large amount of work will be necessary during the coming season on Ferry Bar road, Loney's lane, Philadelphia road, East Baltimore street, etc.

PAVING IN FRONT OF CITY PROPERTY.

The work done under my supervision was in front of Engine House on North avenue, near Tenth street, and repairs of sidewalks in front of school buildings. The amount spent was $126.77.

FLAG AND STEPPING-STONES.

During the year there were seventeen (17) rows of flagstones put in by day's labor in the eastern district, not including those on new streets paved by contract. Some of them were laid in connection with repairs in cross streets, so that the labor and material items do not cover the cobble repaving. The total charges to this account, for laying sixteen (16) rows of flagstones are nine hundred and three dollars and forty-five cents ($903.45), viz:

2664.03 sq. ft. flagstone @ $0.22½ =$599.41; labor, $283.79; sand and miscellaneous items, $20.25. The following list gives location and cost:

North side Townsend st. across Harford ave...	148.75	sq. ft.	$33 47
South side Townsend st. across Hopkins ave...	210.00	"	47 25
East side Hopkins ave. across Townsend st...	198.00	"	44 55
North side Fayette st. across Milton ave.....	210.83	"	47 44
West side Milton ave. across Fayette st.....	199.17	"	44 81
West side St. Paul st. across Twenty-sixth st..	198.00	"	44 55
East side St. Paul st. across Twenty-sixth st..	198.00	"	44 55
North side Twenty-sixth st. across St. Paul st..	189.80	"	42 70
North side Hull st. across Clement st.....	198.00	"	44 55
1st alley north side Oliver st. east of Broadway.	48.00	"	10 80
West side Chestnut ave. across First ave.....	180.00	"	40 50
West side Chestnut ave. across Second ave....	171.85	"	38 67
Opposite 208 Light st.....	11.33	"	2 56
West side Chester st. across Townsend st.....	194.15	"	43 68
North side Jefferson st. across Collington ave..	214.15	"	48 18
Across Remington ave. at Marine Hospital....	94.00	"	21 15
Total.....	2664.03	"	$599 41

One flagstone crossing was charged to cross streets, viz:

North side Aisquith st. across Townsend st....	197.00	sq. ft...	$44 33

NEW COBBLE PAVING PAID FOR BY ASSESSMENTS.

The following streets in my district have been paved with cobblestones by assessment upon the adjoining property:

Luzerne street from Baltimore street to Fayette street, paved under Ordinance 144, approved September 28, 1896, by Contractor M. F. Leonard. Work begun June 1, 1897, completed August 1, 1897.

Little Forrest street from Biddle street to Preston street, paved under Resolution 64, approved June 30, 1897, by Contractor Patrick Reddington. Work begun August 10, 1897, completed September 1, 1897.

Twenty-one-and-one-half street from Guilford avenue to Barclay street, paved under order of the Health Commissioner by Contractor James P. McGovern. Work begun September 21, 1897; completed September 27, 1897.

Twenty-three-and-one-half street from Guilford avenue to Barclay street, paved under order of the Health Commissioner by Contractor Patrick Reddington. Work begun October 1, 1897; completed October 6, 1897.

Lanvale street from Broadway to Wolfe street, paved under Ordinance 160, approved November 2, 1896, by Contractor James P. McGovern. Work begun October 2, 1897; completed December 1, 1897.

A ten-foot alley north of O'Donnell street, between Robinson street and East avenue, paved under order of the Health Commissioner by Contractor Patrick Reddington Work begun November 1st, 1897; completed November 13th, 1897.

The following is an itemized statement of the total cost of the work on all the above named streets, the prices used being an average obtained from all the streets:

Grading	4044 cubic yards	at	$0.123	$ 497 30
New cobble paving	55,597.3 square feet	"	0.0666	3,700 38
Cobble repaving	34,812.4 "	"	0.028	970 44
New 4½ ft. kerb	2,350.7 linear feet	"	0.5165	1,213 97
Kerb reset	645.6 "	"	0.0793	51 19
New flags	2859.5 square feet	"	0.333	953.13
Flags reset	462.0 "	"	0.0313	14 45
Granite block repaving	654.0 "	"	0.045	29 43
New 10-foot gutter stone	66.0 linear feet	"	0.20	13 20
Total				$7,443 49

Of the above amount $5,031.51 was collected from the abutting property by assessment, the remaining $2,411.98 was charged to Cross Streets Ordinance 57, 1897.

BELAIR LOT.

The materials had been so piled on top of each other that they were practically inaccessible. They have all been arranged and sorted and so piled up that they are available. Old machinery and tools have been painted or put under shelter, and worthless material removed. A strict account has been kept of all supplies ordered to the lot and of all tools and materials sent out. The tools have been charged to the foremen, and they have been responsible for their return. The roofs of the tool and material houses have been repaired and the city property well taken care of.

OLD MATERIAL.

The amount of old iron, small cobble-stone, old lumber, etc , sold during the year is $488.25.

REPAIRS OVER SEWERS.

Out of this fund $101.74 was spent in repairs to pavements over sewers, and $104.15 for gasoline, brick, etc., ordered to Belair lot, or a total of $205.89.

JONES FALLS WALL.

The wall on the east side of Jones Falls, at the foot of Falls street, was found to be in very bad condirion and about to fall down. A resolution was passed and approved appropriating $1,500, to come out of the levy of 1898, and work was begun at once. The wall, which is 16 feet high at this point, was torn down and a part of it is rebuilt. The work will be completed some time in January, 1898.

NOTICES TO REPAIR PAVEMENT.

During the year the pavement alongside of the tracks of the street railways have been systematically inspected, and all complaints of defective pavements over drain-pipes, sewers, railway tracks, gas-pipes, etc., have been investigated and notices sent to the proper parties to repair same. Five hundred and eighty-three (583) letters and lists have been sent out, covering twenty-nine

hundred and forty-eight (2,948) places to be repaired. The following list shows the number of places which the various companies, etc., were requested to repair, the list covering notices for the entire city until June 7, 1897, and only those east of Charles street since that date:

Water Department	421
Private parties	110
Consolidated Gas Company	155
Baltimore City Passenger Railway Co	1,244
Consolidated Railway Company	751
Central Railway Company	111
Baltimore Traction Company	43
City & Suburban Railway Company	25
Baltimore and Northern Railway Company	1
Columbia and Maryland Railway Company	26
Northern Central Railroad Company	13
Baltimore and Ohio Railroad Company	11
Subway Commission	21
Chesapeake and Potomac Telephone Company	8
Police and Fire Alarm Telegraph	6
Brush Electric Company	2
Total	2,948

Besides the above, there were about nineteen hundred (1,900) complaints of defective pavements which were inspected and found to belong to the city, and were repaired.

FOOTWAYS.

Twice a year the Police Department are supposed to make a thorough inspection of all footways in the city, and report to this office such places as need repairs. Many other places are reported by private citizens.

These are all inspected, the owners names learned, and notices made out and sent to them through the Police Department.

During the past year twenty-four hundred (2,400) such reports have been investigated and notices sent out; this is seventy-one (71) more than for the previous year. It should be remembered that there are about 600 miles of footway in the city, and that all of the above work, together with the following up of the notices, and the supervision of the repairs of footways belonging to the city, has been done by one inspector.

The notices were promptly complied with in most cases. Five, however, were taken up, the work done and the assessments sent to the Tax Collector. In a few cases the work was ordered to be done, but the parties settled the bills with the contractor before the assessments were made up. The amount of assessments sent to the Tax Collector was $41.36.

The footway laws are defective in many ways, but principally in the regard that the City Commissioner has not enough authority to require footways paved along unpaved streeets.

PAVING BY SPECIAL AGREEMENT.

There were two small jobs of paving done by special agreement with this department; one on Harrison street, between Baltimore and Fayette streets, for R. W. Cowles, and the other on Townsend street, just east of Bond street, for the North Baltimore German M. E. Church. The former was over a drain-pipe, and was done by this department in connection with the repairs on Harrison street, and the bill of $30.20 was paid by Mr. Cowles. The paving on Townsend street was done by this department in connection with the repairs of Townsend street, between Broadway and Bond street, and the bill of $142.99 for the new paving in front of the church was paid by the trustees.

Respectfully submitted.

O. W. CONNET,

Assistant City Commissioner.

ANNUAL REPORT

— OF THE —

HARBOR BOARD

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1897.

HARBOR BOARD OF BALTIMORE.

JANUARY, 1898.

WILLIAM T. MALSTER, MAYOR,
President ex-officio.

TIMOTHY A. HOOPER,
Secretary.

GEORGE R. HEFFNER,

MARTIN WAGNER,

EDWARD D. BOOZ,

[Vacant],

[Vacant],

N. H. HUTTON, *Engineer.*

J. H. IRVIN, JR., *Clerk.*

REPORT.

OFFICE OF THE HARBOR BOARD OF BALTIMORE,

BALTIMORE, January, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: The undersigned committee, by authority of the Harbor Board, have the honor to submit the following report of operations during the year ended December 31, 1897.

Appropriations for the several matters intrusted to the charge of the Board during 1897, were made by the Mayor and City Council as follows:

For the maintenance and improvement of the harbor, and the operation and maintenance of Tug *Baltimore*		$30,661 73
There was also received from the Fire Department for coal used.....		91 00
Making available money.....		$30,752 73
For salaries of Chief Engineer and Clerk		5,000 00
" operation, maintenance and repairs of ice-boats	$29,801 06	
There was also received for towing in ice, from Baltimore and Philadelphia St'bt. Co.	100 00	
		29,901 06
" rebuilding bulkhead in City Dock		6,000 00
" repair of public wharves, and the supervision of all wharves		1,500 00
" the removal of floating matter from docks.....		2,200 00
" the removal of ashes from tow-boats.....		1,200 00
Making total appropriated and received.....		$76,553 79

MAINTENANCE OF HARBOR, DOCKS AND CHANNELS, INCLUDING THE MIDDLE BRANCH.

HEAD OF BASIN, BACK BASIN AND DOCKS.

Proposals for this work (including docks in the Middle Branch,) were opened on April 5, and the contract awarded to Sanford & Brooks (only bidders) at fourteen and seven-tenths ($14\frac{7}{10}$) cents per cubic yard.

Work was commenced on May 3d, and the contract completed on June 23d, with the excavation and removal of 79,199 cubic yards, for which they were paid $11,642.25.

Work done under this contract comprises the removal of deposits to hard (or natural) bottom (except in the Back Basin and Middle Branch).

HARBOR AND CHANNELS, INCLUDING MIDDLE BRANCH.

Proposals for this work were opened on July 7th, and the contract awarded to Sanford & Brooks, at twelve (12) cents per cubic yard, who commenced work on July 8th, and completed their contract on September 15th.

They excavated under this contract 83,651 cubic yards, from main harbor and Middle Branch, the work in main harbor consisted generally in improving channel to coal piers, and to wharves in Canton Hollow.

In the Middle Branch, the main channel at upper end was redredged to 12 feet depth, and a large turning basin was excavated at draw in Light street bridge, to facilitate passage of vessels through the draw.

Contractors on this account were paid $10,038.12.

TOTAL DREDGING.

The whole area covered by the dredging during the season was about 31¼ acres; the quantity excavated, 162,850 cubic yards, an average depth of excavation of about three (3) feet.

ICE-BOATS.

The ice-boats *Latrobe* and *Annapolis* were in commission for ice-breaking about ten (10) days, (January 26th to February 4th). The wheels of the *Annapolis* required extensive repairs in the matter of arms and segments, which was done under a contract with the E. J. Codd Co., the lowest bidder. Both boats are now in excellent condition and ready for service. During the summer, as directed by the Mayor and City Council the *Latrobe* was in

service of the Free Summer Excursion Society. Twelve (12) trips were made, conveying to and from Chesterwood fifteen thousand six hundred and nineteen (15,619) persons. The boat was also used by the same authority to convey to Steelton, and about the harbor, the Delegates to the Convention of Railway Mail Clerks. Four hundred and fifty (450) persons were carried on this occasion.

REPAIRS OF WHARVES.

Repair of public wharves was confined to comparatively small repairs to platforms, guard logs, fenders, etc. The break-water at Quarantine wharf was repaired and renewed, and repairs made to flooring of old wharf.

The fender caps and piles in Back Basin were put in good condition by driving new piles where required, and replacing decayed caps with new timber.

REBUILDING BULKHEAD IN BACK BASIN.

Proposals for continuing this work were opened September 2d, and the contract awarded Benjamin Glenn, the lowest bidder, at schedule prices.

He commenced operation on September 29th, and has continued to prosecute the work when tides would permit. He has been greatly delayed by the high waters following the prevalent southerly winds for months passed.

REMOVAL OF FLOATING MATTER FROM DOCKS.

This work was commenced with a force of men and carts, during May, and continued until exhaustion of funds during September. The quantity of refuse removed amounted to 994 cart loads, including almost every variety of decayed animal and vegetable matter.

REMOVAL OF ASHES FROM TOW-BOATS.

The scow used for storing and removing ashes, had head timbers, and some end and deck planks repaired. It is now in good

condition, and continually at its station except for a day monthly when being unloaded.

For details of expenditures and work done, reference is respectfully requested to the Engineer's report, and the tabular statements annexed.

REQUIREMENTS FOR 1898.

For the year ending December 31st, 1898, the following appropriations are recommended:

Maintenance and improvement of harbor, including operation and repair of Tug *Baltimore*		$10,000 00
Salaries of Engineer and Clerk		5,000 00
Dredging Jones' Falls		15,000 00
Ice-boats, operation and maintenance		20,000 00
Bulkhead at City Dock—		
Unexpended balance	$4,783 89	
New appropriation	5,000 00	
		9,783 89
Repairs of wharves		1,500 00
Removal of floating matter		2,500 00
Removal of ashes from tow-boats		1,200 00
		$94,983 89

It is especially desirable that the amount recommended for harbor improvements be allowed, in order that our commerce may have the full use of the 30 feet deep channel which the National Government at a large expense will have opened to city limits, by July 1st, proximo.

Respectfully submitted,

GEO. R. HEFFNER, } *Executive*
T. A. HOOPER, } *Committee.*

Approved by Harbor Board:

T. A. HOOPER, *Secretary.*

TABLES.

DREDGING.

Location of Dredging.	Approximate Area Dredged.	Depth of Water Obtained.	Total Excavation.
Year 1897.	Square feet.	Feet.	Cubic yards.
Back Basin	409,800	16 to 18	38,644
Docks { Harbor	79,150	15 to 17	8,691
Docks { Middle Branch	87,200	12 to 16	13,398
Head of Basin	59,500	17 to 19	18,466
Harbor and Channels	362,500	19 to 27	44,020
Middle Branch Channels	364,100	12 to 17	39,631

SUMMARY OF ALL DREDGING (EXCEPT JONES' FALLS).

Year.	Approximate Area Dredged.	Average Depth of Cutting.		Total Excavation.
	Square feet.	Feet.	Inches.	Cubic yards.
1897	1,362,250	3	2¾	162,850
1876 to 1896	46,093,806	4	8	7,980,801
1876 to 1897, inclusive	47,456,056	4	7½	8,143,651

HARBOR.

Year Ended December 31, 1897.		Dr.	Cr.
Appropriation:			
Ordinance 6, February 12, 1897			$361 73
Ordinance 57, July 2, 1897			30,300 00
Received from Fire Commissioners for fuel account use of Tug *Baltimore*			91 00
Expenditures:			
Sanford & Brooks, { 79,199 cubic yds., at 14 7/10 c. / 83,651 " at 12 c. }		$21,680 37	
Advertising		64 74	
Incidental expenses		203 28	
Supervision of dredging		1,492 57	
Surveys		390 85	
Tug *Baltimore*		6,912 14	
Crew	$4,699 50		
Fuel	556 00		
Repairs	1,090 46		
Supplies	204 45		
	$6,550 41		
Repairs, 1896	361 73		
Unexpended balance		8 78	
		$30,752 73	$30,752 73

SALARIES OF CHIEF ENGINEER AND CLERK.

Year Ended December 31, 1897.	Dr.	Cr.
Appropriation:		
Ordinance 57, July 2, 1897		$5,000 00
Expenditures:		
Salaries	$5,000 00	
	$5,000 00	$5,000 00

ICE-BOATS.

Year Ended December 31, 1897.	*Annapolis.*	*F. C. Latrobe.*	Dr.	Cr.
Appropriation:				
Ordinance 6, February 12, 1897				$9,801 06
Ordinance 57, July 2, 1897				20,000 00
Received from Balto. & Phila. Steamboat Co.				100 00
Expenditures:				
Advertising	$24 76	$4 96		
Crew	6,273 01	6,592 89		
Fuel	632 80	449 00		
Repairs	3,028 73	814 13		
Steamboat supplies	364 06	274 94		
Subsistence	170 81	112 90		
Wharfage	250 00	.....		
	$10,744 17	$8,248 82	$18,992 99	
Repairs, 1896	129 06	9,672 00	9,801 06	
Unexpended balance			1,107 01	
			$29,901 06	$29,901 06

REPAIRS TO WHARVES.

Year Ended December 31, 1897.		Dr.	Cr.
Appropriation:			
Ordinance 57, July 2, 1897			$1,500 00
Transferred from Bulkhead City Dock. Resolution 86, September 30, 1897			184 95
Expenditures:			
Repairs to wharves		$953 70	
Long Dock Bulkhead	$192 55		
Foot Calvert Street	2 20		
Bowly's Wharf	107 30		
County Wharf	10		
Foot Broadway	7 04		
Foot Gay Street	3 02		
Quarantine Wharf	157 45		
Back Basin	483 74		
General supervision of wharves		731 25	
		$1,684 95	$1,684 95

NEW BULKHEAD AT CITY DOCK.

Year Ended December 31, 1897.		Dr.	Cr.
Appropriation:			
Ordinance 57, July 2, 1897			$6,000 00
Transferred, as per Resolution 86, Sept. 30, 1897:			
To removal of floating matter	$300 62	$485 57	
To repairs to wharves	184 95		
Expenditures:			
Bulkhead		536 90	
Supervision		155 00	
Advertising		38 64	
Unexpended balance		4,783 89	
		$6,000 00	$6,000 00

REMOVAL OF ASHES FROM TOW-BOATS.

Year Ended December 31, 1897.	Dr.	Cr.
Appropriation:		
Ordinance 57, July 2, 1897		$1,200 00
*Expenditures:		
Unloading ash-scow	$24 00	
Supplies	24 38	
Repairs	328 93	
Supervision of scow and dump	799 92	
Unexpended balance	22 77	
	$1,200 00	$1,200 00

*43,835 bushels removed from 71 boats.

REMOVAL OF FLOATING MATTER.

Year Ended December 31, 1897.	Dr.	Cr.
Appropriation:		
Ordinance 57, July 2, 1897		$2,200 00
Transferred from Bulkhead City Dock. Resolution 86, September 30, 1897		300 62
*Expenditures:		
Removal from harbor	$2,223 92	
Dumpage	261 00	
Repairs to scow	5 00	
Supplies	10 70	
	$2,500 62	$2,500 62

*994 cart loads removed (including 588 dogs, 574 cats, 4,925 rats, etc.)

Respectfully submitted,

J. H. IRVIN, Jr., *Clerk.*

Approved:

N. H. HUTTON, *Engineer.*

Engineer's Report.

REPORT.

OFFICE OF THE ENGINEER OF THE HARBOR BOARD.

BALTIMORE, January, 1898.

To the President and Members of the Harbor Board of Baltimore:

GENTLEMEN: I have the honor to submit the following report of operations during the year ended December 31st, 1897.

The following amounts were received, or appropriated by the Mayor and City Council for the several works under charge of the Board:

For maintenance and improvement of the harbor and operation and repair of Tug *Baltimore*		$30,661 73
Received from Board of Fire Commissioners for coal		91 00
A total of		$30,752 73
For salaries of Chief Engineer and Clerk		5,000 00
" operation, maintenance and repair of ice-boats	$29,801 06	
Received from Baltimore and Philadelphia Steamboat Company, for towing in ice	100 00	
		29,901 06
For continuing the rebuilding of bulkhead in Back Basin		6,000 00
" repairs of public wharves and the supervision of all wharves		1,500 00
" the removal of floating matter from docks		2,200 00
" the removal of ashes from tow-boats		1,200 00
Making a total appropriated and received of		$76,553 79

HARBOR.

Proposals for the removal by dredging of deposits from Head of Basin, Back Basin and Docks (including those in the Middle Branch), were opened on April 5th, and the contract awarded to the only bidder, Messrs. Sanford & Brooks, at fourteen and seven-tenths ($14\frac{7}{10}$) cents per cubic yard. Proposals. Contract.

The engagement of all the dredging plant in this vicinity on the government works in the Patapso and the Delaware rivers may account for the scarcity of bids for this work, though the price is not unreasonable.

Work was commenced by the contractors on May 3d, and completed on June 23d.

Work done.

They removed under this contract 79,199 cubic yards, for which they were paid $11,642.25. The work was distributed as follows:

Head of Basin (including docks on Light street)	18,466	cub. yds.
Back Basin	38,644	" "
Dock at Light and Pratt streets	788	" "
William-street Dock	447	" "
Frederick " "	426	" "
Smith's "	498	" "
Patterson's "	248	" "
Foot of Chester street	1,109	" "
" " Lancaster "	809	" "
Mouth of Harris Creek sewer	3,607	" "
Foot of Thames street	314	" "
" " Riverside avenue	189	" "
" " Washington street	256	" "
Docks in Middle Branch—		
Foot of Eutaw and foot of Howard street	8,521	" "
Bush-street Dock	4,877	" "
Making the total excavation	79,199	" "

Areas and depths.

The areas covered by this dredging were as follows:

Head of Basin, 59,500 square feet; average depth of excavation, ten (10) inches. Back Basin, 409,800 square feet; average depth of excavation, two (2) feet six (6) inches. Docks in Main Harbor, 79,150 square feet; average depth of excavation, three (3) feet. Docks in Middle Branch, 87,200 square feet; average depth of excavation, four (4) feet one a half (1½) inches.

In addition to the docks dredged, the "scraper" was used in several where a dredging machine could not well be operated; this work covered an area of 33,275

square feet; the resulting excavation has been accounted for in material removed from Head of Basin.

At the Head of Basin dredging was done to original hard bottom, as well as in most of the docks in Main Harbor, varying in depth of water obtained from twelve (12) feet to nineteen (19) feet at low water. In the Back Basin (City Dock), dredging was done in the main basin and docks to sixteen (16) feet, and in the Falls below Canton avenue bridge to eighteen (18) and nineteen (19) feet, all at low water.

In the Middle Branch, Bush street dock was dredged to sixteen (16) feet depth for a width of forty-five (45) feet; the docks, or sewer mouths at head of this Branch were dredged to a depth of twelve feet, all measured from mean low water.

HARBOR (INCLUDING MIDDLE BRANCH).

Proposals for dredging in Main Harbor and channels, including Middle Branch, were opened July 7th, and the contract awarded to Sanford & Brooks (the only bidder), at twelve cents per cubic yard. Work was commenced under this contract on July 8th, and completed on September 15th. Proposals. Contract.

There was excavated and removed during this time 83,651 cubic yards, viz: Work done.

From Main Harbor.....44,020 cubic yards.
" Middle Branch.....39,631 "

For which they were paid $10,038.12.

The work in Main Harbor consisted of a cut in front of coal piers at Locust Point from Ober's wharf to Shaw's coal pier, 150 feet wide and 1,400 feet long, to a depth of twenty-seven (27) feet, to permit loading of large vessels and barges; also, to improve the turn at northwest angle of Anchorage No. 2 in Canton Hollow, cuts were made from Hooper's wharves to Foote's, and thence to Cochran-Oler Ice wharves, as follows:

300 feet wide by 325 feet length, to nineteen (19) feet depth; fifty (50) feet wide by 1,100 feet length, to nineteen (19) feet depth, at low water.

In the Middle Branch the depth of twelve (12) feet at low water was re-established in the main channel from Bayard street dock to Head of the Basin by cut 100 feet wide and 1,500 feet long, dredged to a depth of fifteen (15) feet at low water, to provide for the inevitable "filling in" from deposits by Howard street, Eutaw street and Chatsworth Run sewers.

In order to improve the "turning basin" for vessels passing through the Draw in Light street bridge, an area 400 feet by 440 feet was dredged above the Draw to a depth of seventeen (17) feet at mean low water.

Areas and depths.

Areas dredged and depth of excavations (average) were as below:

Harbor and channels, 362,500 square feet; depth of excavation, three and a quarter (3¼) feet; depth of water obtained, nineteen (19) to twenty-seven (27) feet.

Middle Branch, 364,000 square feet; depth of excavation, three (3) feet; depth of water obtained, fifteen (15) to seventeen (17) feet at low water.

The whole area dredged over under both contracts was 1,362,250 square feet, or about thirty-one and a quarter (31¼) acres. The total quantity of material excavated and removed was 162,850 cubic yards and the general average depth of excavation was three (3) feet two and three-quarter (2¾) inches.

Expenditures

The expenditures during the year under the head of maintenance and improvement of Harbor, including the maintenance, operation and repair of Tug *Baltimore*, were:

Harbor, &c.:	
Advertising	$64 74
Paid contractors for dredging	21,680 37
Supervision of dredging	1,492 57
Surveys	390 85
Incidental expenses	203 28
Tug, &c.:	
Wages of crew	4,699 50
Fuel	556 00
Repairs, 1897	1,090 46
" balance due from 1896	361 73
Steamboat supplies	204 45
Total expenditures	$30,743 95
" available money	30,752 73
Unexpended balance	$8 78

Use of Tug.

The Tug *Baltimore* was engaged in ice-breaking in the Harbor for about two weeks in January and February last. It was found necessary during the year to provide a new propeller, and to make repairs to shaft, shoe and stern bearing. The boat was also generally overhauled and painted.

During the time occupied by the repair or rebuilding of the city Fire-boat, the Tug was placed at the disposal of the Fire Department during every day from 7 P. M. to 7 A. M. of the following day, and also at such time as the boat was not engaged in the performance of its regular duties.

During the extensive conflagration at the Tunis Lumber Co's wharves, the Tug rendered good service as a fire-boat, and was so badly damaged, as to paint, by the heat, as to necessitate almost an entire repainting; the greater portion of this was done by the Fire Department.

Speed of vessels.

During the early summer, owing to numerous complaints of wharf and vessel owners, steps were taken, by order of the Board to enforce Section 15, Article 22, City Code, relating to the speed of steam vessels in the Harbor.

Nine (9) steamboats were found guilty of violation of the law in one day, and upon notification of the Board, without recourse to law, their fines of $20.00 each were paid, amounting to $180.00; this sum was turned over to the City Register, and his receipt given to the Harbor Board.

Subsequently the Mayor and City Council re-enacted this Section of the Code, allowing a greater rate of speed, as the masters and owners of steamboats claimed that at the original rate they could not control safely their vessels.

Violations of speed law.

During August, seven (7) steam vessels were ascertained to be violating the amended law; warrants were obtained against the masters of these vessels, and the cases submitted to a police magistrate. All claimed a trial by jury (or court), and it is presumed the cases were forwarded to the Clerk of the Crimnal Court as required by law. At all events one of the cases and the only one where the Harbor Board was permitted to testify through its executive officer or otherwise was dismissed by the Grand Jury.

The remaining six (6) I have only just been informed, were also dismissed by the Grand Jury. I would say that in all cases the evidence for the city was incontestible, except on the ground of perjury, or idiotcy.

ICE-BOATS.

Ice-boats.

The ice-boats *Latrobe* and *Annapolis* are now in excellent condition and ready for service at any time. They were engaged in ice-breaking from January 26, to February 4, inclusive. The *Latrobe* after 17 years of almost "unrepaired" service, was practically rebuilt during 1896, as to woodwork and decks, and to portions of guard and fender plates of hull.

During this year it was necessary to entirely overhaul and repair the wheels of the *Annapolis*. Fifty (50) new white oak arms, and nearly as many of the oak segmental braces to arms were furnished and put in

place as the old ones were found to be generally decayed; all loose bolts and nuts were renewed, and the wheels are now in excellent condition.

Proposals for this work were opened on September 30th, as follows; that is, for as much of it as could be certainly seen and specified at that time: Repairs.

J. C. Froehlich & Co.	$1,600 00
L. F. Lieu	1,450 00
Chas. Reeder & Sons	1,229 00
Henry Brusstar	1,145 50
E. J. Codd Co.	817 00

The contract was awarded the E. J. Codd Co., which completed its contract about December 28th.

The *Latrobe* has, as usual, by virtue of an ordinance of the Mayor and City Council, performed all required services for the Free Summer Excursion Society. Between June 3d and August 26th (inclusive), twelve (12) trips to and from Chesterwood were made on this account, conveying to and fro fifteen thousand six hundred and nineteen (15,619) persons. Excursions.

In accordance with a resolution of the Mayor and City Council a trip around the Harbor and down the river to Steelton was made for account of delegates to the Railway Postal Clerks Convention, on September 7th, on which four hundred and fifty persons (450) were carried.

Expenditures for the ice boats during the year were: Expenditures

	Annapolis.	*Latrobe.*
Wages of crew	$6,273 01	$6,592 89
Fuel	632 80	449 00
Repairs, 1897	3,028 73	814 13
" 1896, balance due	129 06	9,672 00
Steamboat supplies	364 06	274 94
Subsistence of crew	170 81	112 90
Advertising	21 76	4 96
Wharfage	250 00	.....
Total	$10,873 23	$17,920 82
For both boats		$28,794 05
Appropriation and receipts		29,901 06
Unexpended balance		$1,107 01

Repairs to wharves and cost.

REPAIR OF WHARVES.

At Long Dock, platform on west side renewed for length of 65 feet, guard logs repaired and renewed where required on both sides, at a cost of		$192 55
At Bowly's wharf repairs were made to platform ring bolts, guard and fender logs, at a cost of		107 30
At Quarantine Station the breakwater was to a large extent rebuilt, and repairs made to floor of old wharf and to fender chocks, etc., at a cost of		157 45
In the Back Basin fender logs and piles, where decayed, were renewed; 21 oak piles, 745 linear feet of new cap logs, and 213 of old timber reworked, with the necessary bolts, were put in place at a cost of		483 74
Minor repairs were made to bulkhead at foot of Calvert, and Gay streets and Broadway, at a cost of		12 66
The general supervision of wharves cost		731 25
Making total expenditures on this account		$1,684 95
The appropriation for this work was	$1,500 00	
There was transferred to it by resolution of Mayor and City Council from that for rebuilding bulkhead in City Dock	184 95	
		$1,684 95

REBUILDING BULKHEAD IN CITY DOCK.

Proposals.

Proposals for rebuilding of masonry on a pile and timber foundation, of about one hundred and sixty (160) feet linear of the old bulkhead on the south side of the City Dock, were opened on September 2d, as per the following abstract;

Bidders.	Excavations, grading, etc., per 100 feet of wall.	Pine piles driven and cut off.	White Oak fender per 1,000 feet B. M.	Timber in place per 1,000 feet B. M.	Iron in place per pound.	Masonry in place per cubic yard.	Coping in place per linear foot.
J. H. Brown	$1,520	$4 00	$65 00	$26 00	03	$6 50	$2 75
Benj. Glenn	585	5 00	40 00	25 00	03½	5 25	2 70
Sanford & Brooks	1,095	4 00	30 00	24 90	03	6 50	2 50

The contract was awarded to Mr. Benjamin Glenn (the lowest bidder), who commenced operation on September 29th. He has during the year driven all the necessary piling, and secured in place all the cap timbers except the front row, which he has been unable as yet to do, owing to continued high water; the bottom of the cap being twelve (12) inches below mean low water. Contract.

Expenditures on this account have been: Expenditures

Advertising	$38 64
Supervision	155 00
Paid contractor	536 90
Transferred to repair of wharves	184 95
Transferred to removal of floating matter	300 62
Making a total expended and transferred	$1,216 11

The appropriation amounted to $6,000, leaving an unexpended balance of $4,783.89, which will, however, be nearly if not quite absorbed during the prosecution of the work in the next two (2) months, and must, therefore, be re-appropriated.

REMOVAL OF FLOATING MATTER.

Operations in the removal of floating matter from the Basin and Docks was commenced on May 24th, and terminated on September 22d. Floating matter.

During this time 994 cart loads of refuse were collected and deposited on the garbage scow in the Back Basin for transport to Bear Creek. Among the articles thus collected were: 1,162 dogs and cats; nearly 5,000 rats; 2,386 chunks of meat; 2,900 pineapples; with a large assortment of fowls, crabs, alewives, fish, sea-turtles, etc., winding up with a still born baby. Work done.

Expenditures

Expenditures on this account have been:

Salaries and wages of men and carts engaged	$2,223 92
Scowage to garbage contractor	261 00
Miscellaneous supplies	10 70
Repair of scow	5 00
Total expenditures	$2,500 62
The appropriation for this account was	$2,200 00
There was transferred to it by resolution of Mayor and City Council from appropriation for rebuilding bulkhead in City Dock	300 62
Making the total available money	$2,500 62

REMOVAL OF ASHES FROM TOW-BOATS.

Ash scow.

The scow used for the purpose of storing and removing ashes from tow-boats was found during the summer to require repairs to planking, and head timbers above the light load line, and some other small betterments, all of which was done in a substantial manner, at a cost of $328.93.

Work done.

During the year there has been received 43,835 bushel of ashes, from 71 boats These ashes have generally been deposited on private properties along the river, without cost to the city for unloading. The scow is now in good condition and is only absent from its station about one (1) day in each month while being unloaded.

Expenditures

Expenditures on this account have been:

Supervision	$799 92
Unloading scow	24 00
Miscellaneous supplies	24 38
Repairs	328 93
Making a total of	$1,177 23
The appropriation for this account was	1,200 00
And the unexpended balance is	$22 77

RECOMMENDATIONS FOR 1898.

Work for 1898.

I would recommend the appropriation of the several amounts below for the prosecution of the works under the Board:

Harbor maintenance and improvement, including operation and repair of Tug *Baltimore*....	$40,000 00
Salaries of Chief Engineer and Clerk.....	5,000 00
Dredging in Jones Falls.....	15,000 00
Operation and maintenance of ice-boats.....	20,000 00
Rebuilding bulkhead in City Dock.....	5,000 00
Reappropriation of unexpended balance of December 31, 1897.....	4,783 89
Repair of wharves.....	1,500 00
Removal of floating matter from docks.....	2,500 00
Removal of ashes from tow-boats.....	1,200 00
Amounting to.....	$94,983 89

It is very desirable that the full amount for Harbor should be granted, in view of the fact that during next summer the United States Government will have a channel to the city limits, thirty (30) feet in depth, at Mean Low Water, to render which important work available to our commerce will require that the channels on both sides of the Lower Harbor be increased from twenty-seven (27) feet to thirty (30) feet in depth.

Very respectfully,

N. H. HUTTON, *Chief Engineer.*

ANNUAL REPORT

—OF THE—

EXAMINER OF TITLES

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

REPORT.

OFFICE OF THE EXAMINER OF TITLES,
BALTIMORE, January 15th, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: Herewith I submit my Second Annual Report as the Examiner of Titles for the Municipal Corporation from the first day of January, 1897, to the first day of January, 1898, covering the period of one calendar year. As I said last year (Page 3): "The vast amount of intricate detail and constant investigation which it is the duty of this office to accomplish and perform might not be set forth in such a report as this, save by reference to the several matters and to the records, both of this office and of the other city offices to which from time to time I have made reports and given opinions. The state of the current business has constantly and regularly been made known to the Mayor by word of mouth, so that this report is after all but an epitome of many informal reports already made." In this connection I may add that, as the work in 1896 (Page 20 of last report) was about half as much again as it was in 1895, so the work in 1897 is considerably over half as much again as in 1896, this is what I expected when I said, "The work of this office is increasing very rapidly."

I have given my heart to this work; I have not spared myself by day nor by night; I have watched over it, thought over it, toiled over it, and I modestly suppose that I am perhaps as well acquainted as any one with the actual value of this office to the city government and its several departments.

In my careful judgment the creation (Baltimore City Code, Article 13, Sections 15 to 19, and Article 50, Section 60), of this most responsible office as separate and independent of the ordinary "Law Department" (whose duties naturally concern or look

forward to the trial-table at law or in equity; even as it is well known by this whole bar that the like distinction is made in private practice—professional conveyancing-lawyers seldom attending court to try causes, and professional trial-lawyers seldom visiting the record offices to examine titles—the custom in private practice for obvious reasons, being certainly the best standard of what is both profitable and economical) was a very wise provision, and has been its own justification. Now again (for no apparent reason and against practical experience) to confuse or "consolidate" these undoubtedly distinct functions, is a step backwards against which I am forced to protest. The Examiner of Titles should be an attorney-at-law and the City Solicitor should be an attorney-at-law—beyond that matter of preliminary education I submit that these two offices have no more in common than (for example) a collegiate professorship of ancient languages with a collegiate professorship of modern languages.

Above all the Examiner of Titles ought not to be even nominally an "assistant;" for he should be more expert in his particular line than any other employe of the city whatsoever, and the crucial test of his expertness is his ability to manage his own department of himself and by himself independently without excuse that he was controlled or influenced by any chief adviser. There is quite as much reason that the Examiner of Titles should be appointed by and personally responsible to the Mayor, as that the City Solicitor should be so appointed and responsible; otherwise the City Solicitor will have hereafter either to be (what is always unlikely) or pretend to be (what is clearly against the city's interest at all times) himself an expert conveyancer.

There is one other matter of great value to be consideeed in this connection; under the existing ordinances the work of this office progresses smoothly, serving all city departments alike—the City Solicitor as well as (e. g.) the City Commissioner and the Collector of Taxes—without clashing and without serious complaint. I have my "assistant examiners" whose fees are Code-regulated under me and must be approved by the City Solicitor or City Counselor, (Code Article 13, Sections 16 to 18)—

they work diligently to serve the city in street cases, etc., (always under my strict supervision and with my constant advice and aid), leaving me free to investigate and answer those numerous complicated questions which are daily referred to me by the several city departments—perusal of this report for 1897 will make this matter very plain, and the burden of responsibilities I have personally to bear will be equally plain. Thus I humbly suggest that the city's good will be best subserved "by letting well enough alone." Useful practice (proved to be useful day by day, year by year) should not be carelessly discontinued to try novel experiments. I know that this office is very responsible and obviously difficult to fill. The Examiner of Titles ought to be deeply concerned with and laboriously devoted to his official duties at all times *con amore*—only such can hope to give general satisfaction.

When (e. g.) the City Solicitor calls upon the Examiner of Titles to testify upon oath in court, the city's interests demand that that witness shall be wholly impartial and wholly independent, not as the mere creature of the City Solicitor who has occasion to call him; such is the fact now, and this is a manifest advantage which the city, in my humble judgment, ought never to surrender to the General Assembly: opposing counsel would gladly impugn a witness so handicapped, and have the jury's sympathy in so doing. Instead of producing an "expert," the City Solicitor could then only produce his own "Second Assistant."

Finally the question is submitted whether any well recognized expert conveyancer shall be willing to serve as "Second Assistant City Solicitor" (subject to appointment and summary removal by the City Solicitor alone), without dignity and without independence? What City Solicitor shall presume to offer such inferior appointment to the expert of his first choice?

Whether or not this most unfortunate change will give the city that independent service it now requires, or is supposed to require and enjoy from the Examiner of Titles?

To my mind this proposed "amendment" is altogether backward, never forward: this I say most humbly and most conscienciously, without the slightest tinge of ambition or self-conceit, looking solely

to what I have good reason and experience (as I trust) to believe is for the public good.

Returning to matters of the past and present, the work of this department under the present Code, I have to report:

First. Concerning the work of my Assistant Examiners, appointed by and directly responsible to me as the Examiner of Titles, under the Code (Article 13, Section 17, etc.), Adam Denmead, Charles W. Nash, William Penn Lewis and George T. R. Lewis, Esqs., and Mr. William P. Twamley, all of whom are expert in city work, faithful and diligent, I would again speak of their work; first of all in order that I may then separately speak of that which has been solely performed by me as the Examiner of Titles himself without assistance. The work of my Assistant Examiners has been confined wholly to the matter of searches and abstracts for the acquirement by the city of new property, street beds, parks, schools, water lots, fire-houses, libraries, police stations and the like, all under the constant supervision of the Examiner of Titles, who must (in addition to his other labors) read over, correct and amend (when needed) all their reports and abstracts before he signs in approval under the Code. Here I may repeat what I stated a year ago (Page 4): "That I have introduced this innovation: that I require each Assistant Examiner to sign and swear to his abstracts before I will finally approve them, always, of course, advising him from time to time as his work progresses."

The thirty-five ordinances for openings and the fifteen ordinances for closings, which I inherited in 1896 (page 4 therein), have been to me a great burden. I have disposed of a few of them, but many of them yet remain to trouble me. As I said last year, I have honestly considered my duty to the present administration to be paramount; vide Baltimore City Code, Article 13, Sections 15 to 19—theoretically my duty is plain (to get rid of them all), but practically my official service (however dilligent, however willing, in the premises) is to you and you only, first of all, and to past administrations later on. As matter of history, indeed, City Code, Section 17 and 18 of Article 13 were passed, and Section 23 of Article 48 was amended to meet this very difficulty, as the

work of the Examiner of Titles in person, serving the several city departments according to his office under City Code, Article 13, Sections 15 and 16, and Article 50, Section 60, have grown and grown in volume and detail far beyond what one man may personally do.

The second part of this report will show the immensely increasing amount of work I have myself (unassisted) had to do. I have continued to keep my assistant examiners employed on street work (as provided in the City Code as aforesaid), following the dictates of prudence and good management and attempting to execute or dispose of all existing ordinances in good faith. Council after Council has met and finally adjourned since most of these old ordinances were passed, thereby affirming the necessity for their due execution by me. The present Code is mandatory that I shall employ assistants for such purposes, and the manner and time for payment of the fees of my assistants (even to the method of determining the amount of such fees as are "reasonable in the premises") is therein clearly laid down. As I said last year "nevertheless it is my opinion, after careful investigation, that about one-half of these old ordinances ought now to be wholly repealed (for reasons not meet to be stated publicly), and only the balance of them executed; but that is for the City Council to determine. This is a matter of no light importance, and deeply concerns the public, as I know from being compelled to listen to delegations of citizens from different sections of the city urging the execution or repeal of such and such of these old ordinances, and giving apparently good reasons therefor;" but the City Council has not considered these recommendations in any substantial respect. Further quoting from my last year's report (pages 5 and 6), "the Code wisely makes my assistants' fees part of the "expenses" in street cases, and makes all the expenses a lien in the condemnation proceedings by the Commissioners for Opening Streets, to be paid within six months after they are incurred; hence, necessarily, before assessed benefits are demandable, as matter of fact the benefits constantly produce a fund so largely in excess of all expenses that thousands and thousands of dollars have accumulated and are accumulating in the city treasury in advance of the time when it shall please the

City Council to appropriate the money to pay the damages, so that these expenses are at no time an actual burden upon the city; for it goes without saying that, unless these preliminary expenses be incurred, the benefits will never be assessed and can never be collected. To say that the city has not the specific fund denominated to each specific street to pay these expenses is to say that the city has had in its treasury over $20,000 which it has collected and retained in advance of a time that may or may not ever come. My construction of the several sections of Articles 13 and 48 of the City Code is that all benefits collected in the matter of opening streets are to be held by the city as one common fund to meet all expenses arising in street openings generally as they are incurred, which is the only defensible reason to be given why the benefits are required to be paid in within six months after the Commissioners for Opening Streets make their final return, though that be, as is usually the case, several years before the damages are included in the levy; any other construction, it seems to me, savors of a practice unworthy of our honorable municipality and of sound government.

Of course, I speak only for my own department; but surely I cannot obtain (what the City Code clearly intends as aforesaid) willing and competent assistants in street cases (whom I and I only, under the Code, may employ, working for "reasonable" fees merely, and naturally expecting my support), to do professional work for which they cannot be paid till funds are thereafter specifically appropriated by the City Council to pay them. Such a conclusion would simply make City Code, Article 13, Sections 17 and 18, and Article 48, Section 23, mere dead letter.

The levy for 1896, as the levies for previous years, did appropriate $800, and the levy for 1897, indeed $1,200, for "assistance to the Examiner of Titles," but historically, coupled with City Code, Article 13, Sections 17 and 18, aforesaid, the intention is and always has been, and so has been always regarded, that this appropriation was not to be used in street cases at all, but for other property, schoolhouse lots, etc., to be acquired by the city under special ordinances, not otherwise, and to keep up the work of this office, as it has gradually grown to such vast proportions that no one man

can properly attend to it at all, regardless of street cases, the Code itself having provided for the street cases as already shown."

My present assistant examiners have furnished me abstracts in the following matters, all of which I have approved and (after designating to them severally such fees as to me have seemed reasonable, subject always to the Code approval, as "reasonable in the premises," by the City Solicitor, City Counselor, etc.) duly certified to the proper city department appointed to receive the same from me, viz.:

STREETS, AVENUES, LANES AND ALLEYS.

1. *Birckhead Street*, from Charles to Patapsco streets; closing (Ordinance No. 113, approved 16th October, 1888); preliminary search and abstract (1889) and final abstract by Mr. William P. Twamley. Recorded in Examiner's book, Liber J. W. McE., No. 9, folio 101 to 111, and supplement in Liber F. W. S., No. 11, folio 354 to 359; balance of collected benefits paid off in full in 1897; approved by me and settled accordingly, with due deeds and releases.

2. *Smallwood Street*, from Pratt to Fayette streets; opening (Ordinance No. 179, approved 22d May, 1893); preliminary search and abstract by Adam Denmead, Esq. Recorded in Examiner's book, Liber F. W. S., No. 13, folio 199 to 370; awards appealed to Baltimore City Court and there yet pending.

3. *Whitelock Street*, from Linden to North avenues; opening (Ordinance No. 156, approved 22d October, 1889); preliminary search and abstract and final abstract by Adam Denmead, Esq. (1892). This abstract, though before my time, being of great value and service in my time, I have caused to be recorded in Examiner's book, Liber F. W. S., No. 21, folio 1 to 152.

4. *Porter Street*, between Claggett and Beason streets; opening (Ordinance No. 171, approved 27th October, 1890); preliminary search and abstract by George T. R. Lewis, Esq. Recorded in Examiner's book, Liber F. W. S., No. 17, folio 41 to 82; original delivered to the Commissioners for Opening Streets.

5. *South Paca Street*, between Stockholm and West streets; opening (Ordinance No. 23, approved 6th April, 1887); prelimi-

nary search and abstract by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 16, folio 93 to 131; original delivered to the Commissioners for Opening Streets.

6. *Patapsco Street*, between Baltimore and Monument streets; opening (Ordinance No. 81, approved 17th May, 1887); preliminary search and abstract by Adam Denmead, Esq. Recorded in Examiner's book, Liber F. W. S., No. 14, folio 219 to 260. Original delivered to the Commissioners for Opening Streets, with recommendations.

7. *Port Alley*, between Aliceanna and Lancaster streets; opening (Ordinance No. 86, approved 18th May, 1887); preliminary search and abstract by Adam Denmead, Esq. Recorded in Examiner's book, Liber F. W. S., No. 14, folio 273 to 301. Original delivered to the Commissioners for Opening Streets.

8. *Dallas Street*, between Oliver and Hoffman streets; opening (Ordinance No. 115, approved 16th October, 1888); preliminary search and abstract by Mr. William P. Twamley. Recorded in Examiner's book. Liber F. W. S., No. 17, folio 9 to 38; original delivered to the Commissioners for Opening streets.

9. *Beason Street*, between Decatur street and property of H. A. Ramsay & Co.; opening (Ordinance No. 93, approved 17th October, 1885); preliminary search and abstract by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 16, folio 71 to 91; original delivered to the Commissioners for Opening Streets.

10. *West Street*, between Paca street and Burgundy alley; opening (Ordinance No. 94, approved 11th May, 1892); preliminary search and abstract by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 17, folio 1 to 5; original delivered to the Commissioners for Opening Streets.

11. *Lanvale Street*, between Wolfe and Washington streets; opening (Ordinance No. 130, approved 8th May, 1893); preliminary search and abstract by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 14, folio 263 to 270; original delivered to the Commissioners for Opening Streets.

12. *Truxton Street*, between Forrest and Concord streets.*

13. *Clifton Place* (*Great Constitution Street*), between Truxton and Eager streets.*

14. *Grove Street or Alley*, between Truxton and Eager streets,*

*Closing (Ordinance No. 111, approved 17th October, 1892), respectfully referred to the Trustees of the Maryland Penitentiary for further data, after an extensive preliminary research by myself in person; carried over to 1898, as not yet ready for formal closing.

15. *Frances Street*, between Whitelock and Retreat streets; opening (Ordinance No. 101, approved 8th June, 1889); preliminary search and abstract by Adam Denmead, Esq. Recorded in Examiner's book, Liber F. W. S., No. 16, folio 133 to 191; original delivered to the Commissioners for Opening Streets, with special recommendation.

16. *Florence Street* (twenty foot alley) between Fulton avenue and Retreat street; opening (Ordinance No. 99, approved 8th June, 1889); preliminary search and abstract by Adam Denmead, Esq. Recorded in Examiner's book, Liber F. W. S., No. 16, folio 193 to 339; original delivered to the Commissioners for Opening Streets, with special recommendation.

17, *Patapsco Street*, from Fort avenue to Ostend street; balance of finals under 1897 levy (Ordinance No. 39, approved 24th April, 1883). Payments suspended for want of certificates; before my time; abstract not recorded.

18. *Race Street*, from Fort avenue to Cross street; balance of finals under 1897 levy (Ordinance No. 139, approved 23d July, 1875). Payments suspended for want of certificates; before my time; abstract not recorded.

19. *Burke Street*, from Baltimore to Monument streets; balance of finals under 1897 levy (Ordinance No. 224, approved 14th June, 1884). Payment suspended for want of certificates; apparently settled in full on appeal to the Baltimore City Court many years ago; abstract missing (supposed to have been taken to Baltimore City Court to be used as evidence at hearing of said appeal and not returned to the Examiner's office) and not recorded.

20. *Cooksie Street*, from Clement to Cuba streets; balance of finals under 1897 levy (Ordinance No. 24, approved 6th April,

1887). Payments suspended for want of certificates; before my time; abstract not recorded.

21. *Etting Street*, from Baker street to North avenue; balance of finals under 1897 levy (Ordinance No. 71, approved 4th May, 1892). Payments suspended for want of certificates; before my time, preliminary search and abstract by Adam Denmead, Esq.; to preserve it I have it recorded in Examiner's book, Liber F. W. S., No. 21, folio 201 to 258.

22. *Forrest Street*, from Douglass to Fayette streets; balance of finals under 1897 levy (Ordinance No. 97, approved 15th May, 1891). I find this matter was settled in full by me in 1896, vide Annual Report 1896, p. 7 foot No. 9; in process of being recorded in Examiner's book, Liber F. W. S., No. 22, folio 87 to ——.

23. *Madison Street*, from Patterson Park avenue to Grove alley; balance of finals under 1897 levy (Ordinance No. 132, approved 8th May, 1893). I find this matter was settled in full by me in 1896, vide Annual Report 1896, p. 7, foot No. 7; recorded in Examiner's book, Liber F. W. S., No. 11, folio 187 to 289.

24. *Dallas Street*, from Oliver to Lanvale streets; balance of finals under 1897 levy (Ordinance No. 50, approved 1st May, 1891). I find this matter as before reported, vide Annual Report, 1896, p. 7, middle No. 6—three lots remain unpaid for, the titles being yet in dispute. Recorded thus far in Examiner's book, Liber F. W. S., No. 19, folio 313 to 382.

25. *Ten Foot Alley*, from McKim to Hillman streets; balance of finals under 1897 levy (Ordinance No. 149, approved 8th October, 1889). I find this matter was settled in full by me in 1896 and duly recorded, vide Annual Report 1896, p. 7, foot No. 88; Liber F. W. S., No. 11, folio 293 to 313.

26. *Hollins Street*, from Old City limits to Catherine street; balance of finals under 1897 levy (Ordinance No. 75, approved 24th May, 1889. I find this matter was settled in full by me in 1896 and duly recorded, (vide Annual Report, 1896, p. 7, top No. 5); Liber F. W. S., No. 11, folio 93 to 184.

27. *Hollins Street*, from old city limits to Calverton road; balance of finals under 1897 levy (Ordinance No. 41, approved 10th April, 1890). I find this matter was settled in full by me in 1896 and duly recorded (vide Annual Report, 1896, p. 7 top, No. 4) Liber F. W. S., No. 11, folio 93 to 184.

28. *Ninth or Barnum Street, now Twenty-eighth Street*, from Charles street to Marylnnd avenue; balance of finals under 1897 levy (Ordinance No. 101, approved 25th May, 1891); vide Annual Report, 1896, p. 7 top, No. 3. This matter is in litigation; hence not yet recorded.

29. *Tenth or Holmes Street, now Twenty-ninth Street*, from Charles street to Maryland avenue; balance of finals under 1897 levy (Ordinance No. 99, approved 25th May, 1891); vide Annual Report, 1896, p. 7 top, No. 3. Lot B (Wyman's heirs) has been paid for in 1897, but Lot A is likewise involved in litigation as Ninth street (No. 28, just above, of this Annual Report) and must abide judicial decision, hence not yet recorded.

30. *Bouldin Alley*, from Bloom to Baker streets; balance of finals under 1897 levy (Ordinance No. 106, approved 11th October, 1887). I find this matter all settled and paid for, except one certificate (John Frederick Godfrey's heirs), which went to litigation before my time in February, 1896, upon Bill of Interpleader in the Circuit Court of Baltimore City (Docket A, No. 36, folio 17, for the year 1896—the Mayor and City Council of Baltimore *vs.* John Frederick Godfrey's heirs) where the same is yet pending and undecided; the abstract remains unrecorded.

31 *Carroll Street*, from Bayard to Bush streets; finals under 1897 levy (Ordinance No. 89, approved 20th April, 1893), paid off in full in 1897; preliminary search and abstract and final abstract to date by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 17, folio 297 to 326; approved by me and settled accordingly, with due deeds and releases.

32. *Cleveland Street*, from Bayard to Bush streets; finals under 1897 levy (Ordinance No. 87, approved 20th April, 1893); paid off in full in 1897; preliminary search and abstract and final

abstract to date by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 17, folio 329 to 331; approved by me and settled accordingly, with due deeds and releases.

33. *Nanticoke Street*, from Bayard to Bush streets; finals under 1897 levy (Ordinance No 80, approved 20th April 1893); paid off in full in 1897, preliminary search and abstract and final abstract to date by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 17, folio 335 to 339; approved by me and settled accordingly, with due deeds and releases.

34. *Lanvale Street*, from Patterson Park avenue to Cannon street; finals under 1897 levy (Ordinance No. 87, approved 20th May, 1891); paid off, excepting one certificate, Lot A (Kuszmaul, subject to unreleased mortgages about to be released and settled), in 1897; preliminary search and abstract and final abstract to date (so far as paid) by Frederick W. Story, Esq.; Voluminous Abstract (involving earlier openings of other streeis) on file in this office, but not yet recorded; approved by me and settled accordingly (so far as paid as aforesaid) with due deeds and releases.

35. *Burrow Street*, from Fort avenue to Claggett street; finals under 1897 levy (Ordinance No. 95, approved 27th May, 1892); paid off, excepting one Lot (R. B. Tippett, Trustee, and Boston Fear and wife) in 1897; preliminary search and abstract and final abstract to date (so far as paid) by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No 19, folio 285 to 310; approved by me and settled accordingly (so far as paid as aforesaid) with due deeds and releases.

36. *Ludlow Street*, from Fort avenue to Claggett street; finals under 1897 levy, (Ordinance No. 72, approved 4th May, 1892). Paid off, excepting one lot (R. B. Tippett, trustee, and Boston Fear. and wife) in 1897; preliminary search and abstract and final abstract to date (so far as paid) by Mr. Wm. P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 19, folio 33 to 69, approved by me and settled accordingly (so far as paid as aforesaid) with due deeds and releases.

37. *Patterson avenue* (*formerly Cook street*), from Fulton ave-

nue to Monroe street; finals under 1897 levy (Ordinance No. 98, approved 8th June, 1889). Paid off, excepting one certificate (Western Maryland Railroad Company, the Mayor and City Council of Baltimore, first mortgagee and many subsequent encumbrancers) in 1897; preliminary search and abstract by Frederick W. Story, Esq., and final abstract to date (so far as paid) by Wm. Penn Lewis, Esq.. Recorded in Examiner's book, Liber F. W. S., No. 20, folio 1 to 191, approved by me and settled accordingly (so far as paid off as aforesaid) with due deeds and releases.

38. *Brunt Street* (*formerly Bouldin Alley*), from Laurens to Robert streets; finals under 1897 levy (Ordinance No. 100, approved 25th May, 1894) payments withheld for proof of titles; preliminary search and final abstract and report to date (as above) by Adam Denmead, Esq., and carefully reviewed, considered and read by me. Recorded in Examiners's book, Liber F. W. S., No. 17, folio 239 to 294.

39. *Bouldin Alley*, from Laurens to Wilson streets; finals under 1897 levy (Ordinance No. 110, approved 10th June, 1889). Paid off in full in 1897; preliminary search and abstract and final abstract to date by Mr. Wm. P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 19, folio 245 to 283; approved by me and settled accordingly, with due deed and release.

40. *Ensor Street*, from Eager to Chase streets; finals under 1897 levy (Ordinance No. 44, approved 4th April, 1892). Paid off in part, litigation needed to determine further payments; preliminary search and abstract by Mr. W. W. Thompson, reviewed by James W. McElroy, late Examiner of Titles; re-examined (per my order) by Wm. Penn Lewis, Esq., and final abstract to date (so far as paid) by Wm. Penn Lewis, Esq. Recorded (to date) in Examiner's book, Liber F. W. S., No. 22, folio 1 to 85; approved by me and settled accordingly (so far as paid off as aforesaid) with due deeds and releases.

41. *Myrtle Avenue* (*now called Walbrook Avenue*), from Fulton avenue to Pulaski street; finals under 1897 levy (Ordinance No. 129, approved 22d June, 1891). Paid off in full in 1897; preliminary search and abstract and final abstract to date

by Mr. Wm. P. Twamley and myself. Recorded (in part) in Examiner's book, Liber J. W. McE., No. 5, folio 205 to 208, etc.; approved by me and settled accordingly, with due deeds and releases.

42. *Bayard Street*, from Columbia to Ohio avenues; finals under 1897 levy (Ordinance No. 54, approved 20th April, 1894). Paid off in full in 1897; preliminary search and abstract and final abstract to date by Mr. Wm. P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 12, folio 341 to 356; approved by me and settled accordingly, with due deeds and releases.

43. *Seventy-foot (Fayette) Street*, from Luzerne to eastern city limits; finals under 1897 levy (Ordinance No. 133, approved 8th May, 1893). Nearly all paid, a few certificates held back for want of proper vouchers; preliminary search and abstract by Adam Denmead and Frederick W. Story, Esqs.; final abstract to date (so far as paid) by Adam Denmead, Esq. Recorded in Examiner's book, Liber F. W. S., No. 18, folio 124 to 333; approved by me and settled accordingly (so far as paid off as aforesaid) with due deeds and releases.

44. *Rose Street*, from Fairmount avenue to Monument street; finals under 1897 levy (Ordinance No. 46, approved 12th April, 1894). Paid in full; preliminary search and abstract by Frederick W. Story, Esq.; final abstract to date by Wm. Penn Lewis, Esq. Recorded in Examiner's book, Liber F. W. S., No. 15, folio 1 to 221; approved by me and settled accordingly, with due deeds and releases.

45. *Townsend Street*, from Broadway to Washington street; finals under 1897 levy (Ordinance No. 165, approved 12th May, 1893) paid in full; preliminary search and abstract and final abstract to date by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 15, folio 223 to 250; approved by me and settled accordingy, with due deeds and releases.

46. *Gay Street Widening*, from Jones' Falls to Exeter street; balance of finals under 1897 levy (Ordinance No. 106, approved 17th October, 1892. See Annual Report, 1896, p. 8, No. 12) paid in full; preliminary search and abstract and final abstract to date

by Mr. William P. Twamley. Recorded in Examiner's book, F. W. S., No. 12, folio 1 to 324, etc.; approved by me and settled accordingly, with due deeds and releases.

47. *Clement Street*, from Allen to Hull streets; finals under 1897 levy (Ordinance No. 163, approved 2d November, 1896); to be paid in full; preliminary search and abstract and final abstract to date by Mr. William P. Twamley. Recorded in Examiner's book, Liber F. W. S., No. 13, folio 77 to 170, etc., approved by me and settled accordingly, with due deeds and releases.

48. *Port Street*, from Townsend street to North avenue; finals under 1897 levy (Ordinance No. 50, approved 27th March, 1896, vide Annual Report, 1896, p. 6 foot, No. 2) paid in full, except one certificate for $10; preliminary search and abstract and final abstract to date by William Penn Lewis, Esq. Recorded in Examiner's Book, Liber F. W. S., No. 13, folio 112 to 196 and 373 to 383; approved by me and settled accordingly (so far as paid off as aforesaid), with due deeds and releases.

49. *Jefferson Street*, from Milton avenue to Patapsco street; finals under 1897 levy (Ordinance No. 117, approved 22d July, 1896, vide Annual Report, 1896, p. 8 foot, No. 16) paid in full; preliminary search and abstract and final abstract to date by William Penn Lewis, Esq. Recorded in Examiner's Book, Liber F. W. S., No. 10, folio 346 to 373, etc.; approved by me and settled accordingly, with due deeds and releases.

50. *Fairmount Avenue*, from Luzerne street to eastern city limits; finals under 1897 levy (Ordinance No. 131, approved 8th May, 1893) paid in full except two certificates in process of settlement; preliminary search and abstract by Frederick W. Story, Esq., and final abstract to date by Adam Denmead, Esq. Recorded in Examiner's Book, Liber F. W. S., No. 17, folio 85 to 236, etc.; approved by me and settled accordingly (so far as paid off as aforesaid), with due deeds and releases.

51. *Hoffman Street* (20 feet wide), from Bond street to Broadway; opening (Ordinance No. 66, approved 22d July, 1897); preliminary search and abstract in process by George T. R. Lewis, Esq., not yet completed nor reported.

52. *Northwest Street*, from Fulton avenue to Payson street; opening (Ordinance No. 65, approved 22d July, 1897); preliminary search and abstract in process by Adam Denmead, Esq., not yet completed nor reported.

53. *Morris Alley*, from North Boundary avenue to Whitelock lane; opening (Ordinance No. 103, approved 8th June, 1889; preliminary search and abstract by Wm. Penn Lewis, Esq. Recorded in Examiner's Book, Liber F. W. S., No. 19, folio 75 to 224; original delivered to the Commissioners for Opening Streets.

54. *Saint Paul Street*, corner of Hamilton street; widening (Ordinance No. 68, approved 7th September, 1897); preliminary search and abstract in process.

55. *Stevenson Street*, from Fort avenue to Clement street; opening (Ordinance No. 69, approved 14th September, 1897); preliminary search and abstract by George T. R. Lewis, Esq. Recorded in Examiner's Book, Liber F. W. S., No. 17, folio 341 to 357; original delivered to the Commissioners for Opening Streets.

56. *Jefferson Street*, from Patapsco street east to the western outline of burial-ground of the Methodist Episcopal Church of East Baltimore Station; opening (Ordinance No. 71, approved 20th September, 1897); preliminary search and abstract in process by myself, not yet completed.

57. *Gilmor Lane*, from Twenty-seventh to Twenty-ninth streets; closing (Ordinance No. 146, approved 13th October, 1896); search and abstract by Wm. Penn Lewis. Esq.; vide Annual Report, 1896, p. 8, No, 13. Recorded in Examiner's Book, Liber F. W. S., No. 14, folio 303 to 375; original delivered to the Commissioners for Opening Streets.

58. *Kirby's Lane*, from Lanvale to Winchester streets; closing, etc. (Ordinance No. 94, approved 20th October 1883; No. 33, approved 3d April, 1884; No. 104, approved 3d July, 1886; No. 116, approved 17th September, 1886); search and abstract in process by Wm. Penn Lewis, Esq., not yet reported nor recorded.

59. *Chesapeake Street*, from Fait to Eastern avenues; finals (one certificate for $5 to be paid; (Ordinance No. 126, approved 27th July, 1896); vide Annual Report, 1896, p. 9 top, No. 17; prelimi-

nary search and abstract (1896) and final abstract to date by Adam Denmead, Esq. Recorded in Examiner's Book, Liber F. W. S., No. 10, folio 332 to 334, etc., approved by me and ready to be settled accordingly, with due deed and release.

60. *Ducatel Street*, from Madison avenue to Bolton street; opening (Ordinance No. 121, approved 13th June, 1891); by repealing Ordinance No. 30, approved 16th June, 1897, the duties of this office have been legally terminated in the premises.

61. *Marshall Street*, from Beverlin to West streets; opening (Ordinance No. 62, approved 14th July, 1897); search and abstract in process by Mr. W. P. Twamley, not yet reported nor recorded.

62. *East Street and Chesnut Street*, "northwardly from Fayette street so as to embrace all the property (lying between East and Chesnut streets) from the north line of Fayette street to a line beginning at the northermost corner of the house on the west side of East street, known and numbered as 218 and assessed to Benjamin Miller; such corner being distant about 147 feet northwardly from the north side of Douglas street, and thence running southwardly at a right angle with East street to Chesnut street;" opening (Ordinance No. 95, approved 25th May, 1891); by repealing Ordinance No. 67, approved 22d July, 1897, the duties of this office have legally terminated in the premises; and, under Baltimore City Code, Art. 48, Sec. 11, all benefits heretofore paid to the City Collector in the premises are "immediately" repayable to the respective payors of the same, and are now being repaid upon presentation of receipts.

SCHOOL, LIBRARY, PARK, FIRE, POLICE AND WATER LOTS, ETC.

1. *No. 21 Fire Engine House and Lot*, northwest corner Roland avenue and Oliver Place; (Annual Report, 1896, p. 11, No. 31) deed recorded among the Land Records in Liber R. O. No. 1660, folio 258, etc.

2. *No. 7 School House and Lot*, southwest corner Eastern avenue and Patuxent street, west to Harrison or Streeper street, and south to Canton avenue, (Annual Report, 1896, p. 11, No. 32);

two deeds of lease recorded among the Land Records in Liber R. O., No. 1661, folios 83 and 85, etc.

3. *Water Board*, lot southeast corner North avenue and McMechen street; bought from the Baltimore Traction Company; search and abstract by Wm. Penn Lewis, Esq. (old searches from F. W. S). Recorded in Examiner's Book, Liber F. W. S., No. 16, folio 3 to 68; approved by me and settled accordingly; proper deed approved by me, recorded among the Land Records in Liber R. O., No. 1670, folio 457, etc.

4. *No. 8 Colored School*, lot south side of Chew street (being balance of the lot to centre of Duncan alley) south 200 feet; (see Annual Report, 1896, p. 11, No. 29), leased from R. Walter Graham (Ordinance No. 45, approved 16th March, 1896); lease for 99 years, renewable and redeemable at any time at 6 per cent. capitalization, subject to the annual rent of $129.75 per annum; search and abstract by Adam Denmead, Esq., to be recorded in Examiner's Book, Liber F. W. S., No. 10, folio 196 to 201, etc.; approved by me and settled accordingly, proper lease, approved by me, recorded among the Land Reeords in Liber R. O., No. 1678, folio 403, etc.

5. "*Linden Square*" (Park Board), triangle between Linden avenue and North avenue, and Linden avenue extended, (Ordinance No. 115, approved 16th July, 1895); deed of cession from Francis E. Yewell and wife and Charles E. Spalding and wife to the Mayor and City Council of Baltimore, for public park purposes; search by myself, abstract will be prepared and recorded; approved by me and settled accordingly; proper deed drawn, and approved by me, recorded among the Land Records in Liber R. O., No. 1683, folio 298, etc.

6. *No. 3 Engine House* (Old Vigilant Fire Company), south side East Lombard street, near High street, redeemable rent of $150 bought at $2,500 for the Sinking Fund; (the city owns the leasehold, etc.,) bought from Hammond J. Dugan, trustee; search and abstract by Adam Denmead, Esq., recorded in Examiner's Book, Liber F. W. S., No. 19, folio 15 to 30; approved by me and settled accordingly; proper deed approved by me, recorded among the Land Records in Liber R. O., No. 1689, folio 270, etc.

7. *No. 132 Hill Street (addition to No. 3 Colored School*—Ordinance No. 98, approved 25th May, 1896): Assignment from Robert A. Stanley and deed of reversion in fee from John H. Morrow and wife; search and abstract by Mr. Wm. P. Twamley, recorded in Examiner's Book, Liber F. W. S., No. 14, folio 337 to 368; approved by me and settled accordingly; proper deeds drawn and approved by me and recorded among the Land Records, in Liber R. O., No. 1663, folio 26, etc., and R. O., No. 1671, folio 401, etc., (business of 1896 finished in 1897).

8. *Police Department; Lot Southeast Corner of Cedar and Second Avenues*, 155 x 200 to Beach Avenue, bought from Charles L. Marburg; search and abstract by Wm. Penn Lewis, Esq., recorded in Examiner's Book, Liber F. W. S., No. 19, folio 1 to 12, approved by me and settled accordingly; proper deed drawn and approved by me, recorded among the Land Records in Liber R. O., No. 1686, folio 401, etc.

9. *No. 6 English-German School*, addition; lot bounded by Ramsay, Pulaski and Christian Streets (Ordinance No. 77, approved 2nd October, 1897): Leased from Joseph L. White, lease for 99 years, renewable forever, subject to the annual rent of $480, redeemable after five years, at $8,000; search and abstract by Adam Denmead, Esq., recorded in Examiner's Book, Liber F. W. S., No. 20, folio 193 to 218, approved by me and settled accordingly; proper lease drawn and approved by me, recorded among the Land Records in Liber R. O., No. 1704, folio 280, etc.

10. *Carroll Park*, as now held and owned by the city, etc.—Park Board: This valuable abstract I have caused to be recorded for preservation, in Examiner's Book, Liber F. W. S., No. 21, folio 155 to 197, although before my time; under Ordinance No. 72, approved 27th September, 1897, it will perhaps shortly be a very useful record when further condemnations or deeds come to be had.

SECOND.—Concerning the work performed by the Examiner of Titles in person, I have carefully read over and amended (when needed) all reports and abstracts in the matters aforesaid, when submitted by my assistant examiners, before giving them my formal approval.

I have given my personal attention to each and every settlement for payment on account of damages for opening streets under the levy of 1897; per certificates from the City Collector and City Register, adding to each of said certificates my own detailed report of each material fact brougt down to date of settlement, with the names of all owners of realty and leasehold estates alike, incumbrances required to be removed before payment, etc., some 120 or 130 certificates in all.

I have drawn some 300 or more deeds, releases and leases to the Mayor and City Council of Baltimore, and (which is in itself a *vast labor*) *personally* have seen to it that each one of such instruments was properly executed before signing my written certificate or warrant looking to the payment of the purchase money by the Comptroller, and have made duly written reports in each case to the Comptroller, as required of me by the City Code.

I have also read over and approved some eight deeds, etc., (prepared by private counsel), in which the city was grantor or grantee, both as to their form, substance and compliance with the City Code or Ordinance, correcting the same before signing my written approval.

I have carefully investigated and answered inquiries *from the City Commissioner's office* in the following matters:

Ordinance No. 11, approved 3rd March, 1896, Baltimore, Catonsville and Ellicott City Electric Railway Company tracks; reported deed from Robert S. Carswell and wife, *et al*, to the Mayor and City Council of Baltimore, duly executed and recorded last year, Land Records, R. O., No. 1612, folio 553, etc.

Annexed streets opened since annexation, legal status, etc.

Cannon street, near Union Railway Co. tracks.

Baker street, between Fulton avenue and Liberty road.

Ostend street, between Warner and Russell streets, sidewalks, etc.

Stockton street or alley, south from Riggs avenue.

Bel-air lot, city yard leased from Rogers Estate.

Riggs avenue (closing to be 66 feet wide proposed) west of Calhoun street.

Ten-foot alley crossings, (all over the city), assessments for pavings.

Elbow lane, from Paca to Fremont street.

Hare (or Hair street or) alley, from Elliott to Boston streets.

Addison alley.

Konig street, corner of Linden avenue, public and private rights.

Pennsylvania avenue, north of North avenue, the Reisterstown Turnpike Company and its rights.

City streets in general, old city.

City streets, old city, as to paving across ten foot private alleys.

Huntington avenue, from 25th to 31st streets, width and location.

Buchanan's Wharf, city's title to "boom end" or head thereof.

O'Donnell's Wharf, city's title to "boom end" or head thereof.

*Truxton street, from Forrest to Concord streets.

*Grove street or alley, from Truxton to Eager streets.

*Clifton Place or Great Constitution street, from Truxton to Eager streets.

Kirby's (Dorsey's) lane, at or near Franklin street, already public property by long adoption and use for about 100 years.

Patterson avenue or Cook street, from Fremont to Fulton avenues, dedication by deeds.

Garrett Square, not yet city property.

Grove alley, between Eastern and Canton avenues, dedicated.

Castle street, from Lanvale street to North avenue, location.

Webster street, from Fort avenue northeast to water line, as to title.

Girard avenue or Federal street, from Greenmount to Guilford. avenues, dedication by deeds.

Private sewer from 421 North Fulton avenue, east to connect with public sewer in Franklin street, ordinance or resolution needed.

---

*These three streets involved in the building of the Maryland Penitentiary extension, but not yet closed according to law.

Jordan alley, from Biddle to Preston streets, dedicated.

Liberty turnpike or Windsor Mill road, at Baker street crossing.

Clifton avenue sewer, from Monroe to Payson streets, (Ordinance No. 29, approved 16th June, 1897), title and agreement.

Parrish alley, between Stricker and Gimor, from Cole to McHenry streets.

Garrett or Branch alley, block 630.

Wilkens avenue, over Gwynn's Falls to Hurley's lane, as condemned by the County Commissioners before annexation.

Olive street or Clarkson alley, between Heath and Randall streets, dedicated.

Mount street, from south side Northwest street to North avenue, per location as condemned, etc.

Payson street, between Lanvale avenue and Mosher street.

Woodyear street or alley, from Winchester to Lorman (Presstman) streets.

Norris alley, ditto.

Patterson avenue (Cook street), from Carey to Stricker streets.

Brunt street (Bouldin Alley), from Gold to Bloom streets.

Holliday street, between Centre and Monument streets.

Lafayette avenue, east of Bloomingdale Road, Annex.

Barney and Clarkson streets, crossing.

Besides minor matters of lesser importance.

Likewise from the Health Department:

Stoddard alley, between Wilson and McMechen streets, dedicated by deeds.

Gross or McCulloh alley, between Dolphin and Wilson streets.

Union alley, at Woodberry.

Nuisance on private property in East Baltimore.

Beside minor matters, etc.

Likewise from office of the Inspector of Buildings:

Olive Place, west from Roland avenue, Annex.

Windsor Mill Road, and (sewers needed).

Chappell street, dedications per T. K: 334–596 and T. K: 325–295, etc.

South-west corner Charles and Fayette streets setback of 2 feet 9 inches by title papers, (see Resolution No. 53, approved 18th June, 1897).

No. 132 Hill street, (Annex to No. 3 Colored School, bought from Robert A. Stanley, see Ordinance No. 98, approved May 25th, 1896), as to party wall.

Besides minor matters, etc.

Likewise from the City Surveyor;

Gorsuch avenue, near Harford Road, No. 5 Chemical Engine House; for use of the Fire Department.

Francis street, from Retreat to Whitelock streets, (Ordinance No. 101, approved 8th June, 1889), errors found in old plat and new plat ordered.

Green Spring Avenue Road, (Acts of 1896, Chap. 366—Deed from the Turnpike Co., to the Mayor and City Council of Baltimore, executed and recorded in 1896), location and title, located as at present for more than 40 years.

Florence street, from Fulton avenue to Retreat street, (Ordinance No. 99, approved 8th June, 1889, errors found in old plat and new plat ordered.

Likewise from the Chief Engineer Water Department;

New Pumping Station, S. E. corner North avenue and McMechen street, (see Assistant's work, No. 3 above), settled per deed for same.

Wolfe street, north of North avenue, ordinance not yet passed.

Annex streets, laid out but not formerly accepted, since annexation.

Etting street, north from North avenue, Annex.

Lake Roland, proposed change in location of the county road and N. C. R. R. Co's tracks.

Fulton avenue extended, Annex.

Newington and Callow avenues, Annex.

Roslyn avenue, Annex.

Alley, rear of Callow and Newington avenues, Annex.

Catbird lane, between Barclay street and Gilmor lane, Annex.

Calverton road, between Edmondson avenue and Mulberry street, Annex.

Lynbrook (Woodbrook) avenue and Lincoln avenue, from Pennsylvania avenue, Annex.

Kennedy lane, east of York road.

Hickory avenue, north of Sixth avenue or Merryman's lane.

Streets and alleys on North Walbrook plat, city part.

Kate and Lewin avenues, from Garrison road to Park Heights avenue.

Division or Mary street.

Second avenue, from Chesnut to Cedar avenues, Hampden, Annex.

Merryman avenue or lane, from Hickory to Church avenues, Annex.

Lanvale street, from Bloomingdale road to Sixth street, Annex.

Lafayette avenue, Annex.

Garrett avenue (east of York road), from North avenue to Twentieth street, Annex.

Alley in block bounded by Cooksie, Beason, Towson and Clement streets.

Woodbrook avenue, from North avenue to Lynbrook avenue.

Pulaski street extended.

Druid Heights or Park Heights avenue, north of Fulton avenue, Annex.

Hampden avenue, between Twenty-seventh aad Twenty-eighth streets, Annex.

Garrett and Kennedy avenues (east of York road), from North avenue to Twentieth street, Annex, from Cromwell and Kennedy, trustees.

Twenty-sixth street (24 feet wide), west from York road, from J. H. Aull.

Twenty-seventh street, from Hampden to Huntingdon avenues, Annex.

Ruskin avenue, from Pennsylvania avenue, Annex.

Pennsylvania avenue is the Reisterstown Turnpike, Annex.

Ten-foot alley, north of Walbrook (Myrtle) avenue and west from Monroe street, Annex.

Concord street, from Chase to Eager, partly public and partly private.

Madison street, from Liberty to Independence streets, in western Homestead, Annex.

Walbrook (Myrtle) avenue, from Payson to Monroe streets, Annex, vide "Myrtle avenue," among the streets paid off under 1897 levy per this report.

Twenty-seventh street, from Mount Vernon to Hampden avenues, Annex.

Beside matters of lesser importance.

Likewise from the Comptroller:

Gay street widening, water rents on property taken and leased.

Gay street widening, lots not paid for in 1896 for opening and widening of same.

Old city deeds, data for locations.

Wells street, 63 Md., 325; Mayor and City Council of Baltimore and John A. Robb, City Register, *vs.* Boyd *et al.* and B. & O. R. R. Co., Circuit Court of Baltimore city, docket A, 90-1891; $100 certificate Baltimore City Stock.

Preston or John street, certificate of Baltimore City Stock.

"Davidson Park" Ordinance, (East and Chesnut streets, Ordinance No. 95, approved 25th May, 1891), repealed by Ordinance No. 67, approved 22d July, 1897; Baltimore City Code, 1893, Art. 48, Sec. 11, provides for repayment of benefits assessed and paid, "immediately" upon such repeal, under it the Examiner of Titles has endorsed and the Comptroller has warranted for repayment in 1897, all receipts by the Collector for benefits which have been thus far presented by the proper parties.

Federal Hill Park, five-sixth of $45 ground rent, south side Great Hughes street.

Gay street widening, Tiralla vs. Tiralla; in the Circuit Court No. 2 of Baltimore City, interpleader by Mayor and City Council of Baltimore, under Act of 1892, chapter 165.

Chesapeake street opening, from Fait to Eastern avenues.

Beside matters of lesser importance.

Likewise from the Tax Department:

Joseph Egan's purchase at tax sale, Fulton avenue, deed approved and recorded in Liber R. O., No. 1665, folio 211, etc.

Jesse F. Ely's purchase at tax sale, Remington avenue, deed approved and recorded in Liber R. O., No. 1669, folio 176, etc.

William E. Crosswell's purchase at tax sale, Trinity street, deed approved and recorded in Liber R. O., No. 1671, folio 109, etc.

Tax sales and form of deeds by the Collector, laws and customs.

Joseph L. Armstrong's purchases at tax sale, four lots Carroll street, no final ratification and deed not approved.

John E. Spencer's purchase at tax sale, Haubert street, deed approved and recorded in Liber R. O., No. 1681, folio 179, etc.

Frank Curran's purchase at tax sale, Goodman alley, deed approved and recorded in Liber R. O., No. 1686, folio 433, etc.

Fulton Lewis' purchase at tax sale, Amity street, (recorded, unapproved, in Liber R. O., No. 1681, folio 336, etc.), assigned to Walter DeC. Poultney; deed redrawn (to Poultney) and approved and recorded in Liber R. O., No. 1695, folio 357, etc.

John Haubert's purchase at tax sale, Kirk alley, deed approved and recorded in Liber R. O., No. 1686, folio 371, etc.

Ridgely street paving, assessed to John Marr, etc.

Old tax sale balance (1862-63-64) J. C. Snyder, "No. 110" Division street, claimed by Chesapeake Bank, etc.

Old tax sale balance (1862, etc.) Bradenmeyer, Ridgely and West streets, claimed by Safe Deposit and Trust Co. of Baltimore, Trustee.

Beside other matters, etc.

Likewise from the Commissioners for Opening Streets:

N. E. corner Comet and Forrest streets (opening of Forrest street, 1896), deed to Sarah Lucas, approved and recorded in Liber R. O., No. 1670, folio 554, etc.

Forrest street, balance of lots B and E (opening of Forrest street, 1896), deed to Robert S. Carswell, approved and recorded in Liber R. O., No. 1671, folio 103, etc.

Old Abstracts of Title in the vault at City Hall, room now used by the Circuit Court of Baltimore City for court purposes.

N. W. corner Lexington and Gay streets (opening of Lexington street or Orange alley) confirmatory deed to Mary D. McClellan, approved and recorded in Liber R. O., No. 1700, folio 196, etc.

Gay street widening, Section C, lots B and C, confirmatory surrender from Henry Wilcox, deed drawn and approved by me, recorded among the Land Records in Liber R. O., No. 1708, folio 232, etc.

Gay street widening, balance of lots B and C in section C, deed to Robert S. Carswell, drawn and approved, not yet recorded in 1897.

Whitelock street, proposed new ordinance, plat details.

Dallas street, proposed new ordinance, plat details.

Likewise from the Police Department:

Lot S. E. corner Cedar and Second avenues, Annex, purchased as above.

Likewise from the General Superintendent of Lamps, etc.

Newington avenue; Friendsbury street; Preston street; ten-foot alley.

Likewise from the Fire Department:

909 & 911 East Lombard street, and 906 & 908 Granby street, discriptions.

Likewise from the City Solicitor:

Mayor and City Council of Baltimore, to John B. Adt, Hillen street, at Jones' Falls, (Resolution No. 36, approved 23d of April, 1897), deed approved and recorded among Land Records, Liber R. O., No. 1687, folio 91, etc.

Per his request, drew Ordinance No. 73, approved 28th September, 1897, being Baltimore City Code, Article No. 48, Section 25 A—Annex streets.

Franklin street extended, (formerly turnpike), through the old Almshouse property.

Etting street, north from North avenue, Annex.

McCulloh alley (15 feet wide) from Gold to Bloom streets, proposed cession by owners, vide Ordinance No. 23, approved 6th March, 1893; deed will follow in time.

Chesapeake street opening, from Fait to Eastern avenues.

Loch Raven Titles, "Riverside Farm," Gilmore to Wise and Wise to Hartman; in the Circuit Court for Baltimore County in Equity, Gilmor *vs.* Mayor and City Council of Baltimore; the City Solicitor called me as a witness upon points of title, etc.

In the Battimore City Court; Ulman *vs.* Story, Examiner, and Fenhagen, Comptroller, petition for mandamus, per his request; I drew the answers and assisted him.

I have also consulted with him and rendered him opinions in several other very important matters.

Likewise from the City Counselor:

Andre street (Coates' Appeal), report as to titles and awards.

Frederick Turnpike Co., cessions to the city, G. R., 496-124, etc.

Baker street, between Fulton avenue and Liberty road.

Laurent *vs.* Mayor and City Council of Baltimore, in the Superior Court No. 2, (action for damages for use of alley in rear of No. 2 Engine House), attended City Counselor in court, per his requst; plaintiff took a *non pros*, and the city won its case.

Ferry Point road, Gittings *vs.* Mayor and City Council of Baltimore, in the Superior Court.

Gay street dock, public and private rights; full investigation.

Ellinger *vs.* Mayor and City Council of Baltimore, east Baltimore.

Gay street widening, McCambridge lot.

Likewise from various persons (usually upon reference or request from the Mayor's office), viz: Jones' Falls Improvement retaining wall; balance of recording for 1896; Wells street, 100 feet wide through the Gould property; Riggs avenue, west of Calhoun street; Ogier's Run; Harrison street or Grove alley; the Topographical Survey work; triangle between Fremont street and Riggs and Arlington avenues; Baker circle; the law of Maryland as to the dedication by deed; Whitridge lot on Gay street, not taken nor paid for in 1896; Ordinance No, 167, approved 2nd November, 1896, for opening of Maryland avenue; Vine street, between Poppleton and Amity streets; Elbow lane,

from Paca to Fremont streets; proposed Amendments to Baltimore Code, street provisions; Commissioners for opening streets, status of the old and the new Boards, respectively; Calhoun street, and Butchers lane, Northwest street and Mount street intersections; Eutaw place and North avenue, proposed widening; Wilkens avenue lots, city property; Charles Street Avenue Turnpike; Baker circle, (second time); Fourth lane closing, 1896; Robert F. Green, late Clerk to the Commissioners for Opening Streets, etc; Carl Casey, present Clerk to the Commissioners for Opening Streets; ten foot alleys, all over the city as to digging, etc., in same; Gay street balances, not paid off in 1896, estimated for levy of 1897, etc; Baltimore City College, present site, inquiry from Mayor; Birckhead street, the part not closed, from Light to Patapsco streets; Butcher's lane closing from Presbury street to North avenue; Elazebeth lane or Ropewalk lane, closing (Ordinance No. 36, approved 2nd May 1888, and Ordinance No. 54, approved 26th April, 1888), as yet void and inoperative; Linden aveuue and North Boundary triangle, (Ordinance No. 115, approved 16th July 1895) for Linden square, Park Board; streets occupied by the Blue Line cars, status; Ordinance No. 11, approved 3rd March, 1896, deed R. O., 1612–553, reported to the Mayor; Butcher's lane, from Baker to Calhoun strests; Ordinance No. 124, approved 23d October, 1886; Wolfe street, north of North avenue; Rayner avenue, at Carrollton Heights; City Market stalls; Forrest street opening, 1896, improvements, torn down as dangerous; "Girard avenue," formerly Federal street, Ordinance No. 45, approved 27th April, 1888; South Charles street and Fort avenue, Resolution No. 39, approved 27th April, 1897; East Fayette street, between Glover and Patapsco streets (Resolution No. 46, approved 11th May, 1897), footway; Kirby's Lane, closing under Ordinance No. 116, approved 17th September, 1886; Lafayette avenue or Townsend street, betwe en Maryland avenue and Falls road; Bankard Lane, from Fremont avenue to Penn street; Webster street, from Fort avenue to the water front, preliminary to Ordinance No. 16, approved 6th May, 1897; triangle at Federal street, Harford avenue and Point lane, not city property; Ducatel street, from Madison avenue to Bolton street, (Ordinance No. 121, approved 13th June,

1891, repealed), Ordinance No. 30, approved 16th June, 1897; Topographical Survey, engineer's plan for annex improvements; Fairmount avenue, permits for bay-windows; Little Forrest street, between Preston and Biddle streets, location and title; Ordinance No. 26, approved 29th May, 1897, for use of No. 10 Male and Female Grammar School, defective, the lot being subject to a ground rent; lots sold for taxes and bought in by the city; Gay street widening, lot H section B, (all improvements surrendered in 1896 but balance of the lot retained), 1897 taxes; Jefferson street, from Patapsco east to the burial-ground, (as to form of Ordinance, etc.), Ordinance No. 71, approved 20th September, 1897; Diamond alley, between Garrett alley and Baltimore street, city's rights; Hopkins Park Commission, Ordinance No. 32 became a law by limitation 22d June, 1897; Falls Turnpike Road Company's rights, and turnpike as located; Maryland Penitentiary, rights in abutting streets, see Ordinance No. 111, approved 17th October, 1892, but not yet executed; Levy for 1897, "Assistance to the Examiner of Titles" and "Opening streets, the city's portion of benefits assessed"; Marshall street, from Beverlin to West streets (as to form of ordinance, etc.), Ordinance No. 62, approved 14th July, 1897; Lanvale street, east of Gay, opened; Stafford lane or Tenth street, western annex; Little Ensor street, from Harford avenue to Chase street, Ordinance No. 61, approved October 8th, 1857; Kirby's lane, encroachments, etc.; Buchanan's Wharf, public and private rights; "New Boundary avenue" (50 feet wide), from York road at Shaw Hill, is private; Monroe street, from Patterson avenue to Lorman street; Lafayette avenue, James Brommel to County Commissioners, W. M. I., 129-570; private sewer in Division or Mary street, agreement; Ridgely street between Bayard and Bush streets; Birckhead street closing, Schwanbeck; Great Constitution street; North-west, Mount and Calhoun streets and Butcher's lane; water mains in ten-foot alleys; Western Maryland R. R. Co's mortgage to the Mayor and City Council of Baltimore, etc.; McElderry's Wharf, public and private rights; Gay street widening, a trespasser dispossessed from the Fuld lot; Carroll Park, (Ordinance No. 72, approved 27th September, 1897), extension; Green Spring avenue

turnpike, deeded to city in 1896, title over 40 year's old and perfect; Hamburg street, an old opening which was appealed; an unfortunate for whom the Keely treatment was sought; Index work, Records of Abstracts of Titles in this office, 22 Libers (of which my predecessors recorded 9 in 21 years, and I have recorded 13 in less than 2 years, all recorded work is now properly indexed to date; Baker Circle, status, &c.

Under Baltimore City Code, Article 48, Section 25A, prepared by me, and duly passed as "Ordinance No. 73," approved 28th September, 1897, I have approved the following deeds of cessions of streets, viz:

1. From Frank H. Calloway and wife, *et al.*, to this municipal corporation, Liber R. O., No. 1697, folio 90, etc., with plat, streets in "North Walbrook," Annex.

2. From Elias A. Blackshere and wife, to this municipal corporation, Liber R. O., No. 1699, folio 76, etc., with plat, Lincoln and Lynnbrook avenues, near Pennsylvania and Fulton avenues, Annex.

3. From West Arlington Improvement Company, to this municipal corporation, Liber R. O., No. 1703, folio 273, etc., with plat, city streets at "West Arlington," Annex.

4. From George R. Wannewetsch, *et ux*, *et al*, to this municipal corporation, Liber R. O., No. 1704, folio 243, with plat, Division or Mary street from Whitelock street northwesterly to their outline, Annex.

5. From Jacob H. Aull and wife, to this municipal corporation, Liber R. O., No. 1706, folio 17, etc., with plat, 26th street, (24 feet wide) west from York road to Barclay street, Annex.

6. From Mary C. Saum, *et al*, to this municipal corporation, Liber R. O., No. 1706, folio 307, etc., with plat, Woodbrook avenue, from Fulton avenue to Lynnbrook avenue, Annex.

7. From Richard Cromwell et al., trustees, to this municipal corporation, Liber R. O., No. 1708, folio 161, etc., with plat, Kennedy and Garrett avenues and Twentieth street to connect them, from North avenue to said Twentieth street (east of Greenmount avenue or York road,) Annex.

8. From David M. Andrew *et al.*, to this municipal corporation, Liber R. O., No. 1709, folio 434, etc., with plat, Twenty-seventh street, from Hampden avenue into the bed of Huntington avenue, Annex.

9. From Frank W. Bolgiano *et al.*, to this municipal corporation, Liber R. O., No. 1709, folio 484, etc., with plat, bed of Newington avenue from Bolton to Park avenues, and bed of Callow avenue, from Newington avenue to Whitelock street, etc., Annex.

10, From Mary K. Gilmor and husband, etc., to this municipal corporation, Liber R. O., No. 1710, folio 393, etc., with plat, the easternmost half of the bed of Hampden avenue, between Twenty-seventh and Twenty-eighth streets, Annex,

---

Further, I quote from my last year's annual report of 1896, page 16, etc., viz.: again recommending the same to your earnest attention (with certain amendments and additions), that is to say:

"As the result of my experience (both as an Assistant Examiner under my esteemed predecessor, James W. McElroy, and since I succeeded him as the Examiner of Titles nearly two years ago), I venture to suggest the following matters as well worthy of consideration here:

(*a.*) The late Commissioners for Opening Streets in their report for 1893 (repeated in their report for 1895, page 12), have made the following recommendations, viz:

"We respectfully suggest that there is pressing need of an official list of the streets, lanes and alleys of the city, showing their location, lines and dimensions, and embodying a history of each, disclosing the time and manner of its origin and changes it has undergone from time to time. Such a work would be valuable for reference, since nothing of the kind is in existence now. It should define the limits of the highway; declare whether it is public or private; show when it was opened and by what process, whether by condemnation, dedication or otherwise, and what changes of name it has undergone, together with such other information as would prove useful to the average inquirer. To compile such a record properly will require intelligent work and research, but it would prove a most

valuable acquisition when completed. The absence of such a convenience is embarrassing now, and its absolute necessity will be intensified and accentuated in the experience of the future," all of which meets with my hearty approval, and I earnestly suggest the same in my official capacity. This list, however, ought to take the broader form of a "City Property Book," and should be begun by briefing and cross-indexing all city ordinances and resolutions relating to city property from the time of the first organization of this corporation in 1797; then all Acts of the General Assembly of Maryland since 1729 relating to Baltimore Town or Baltimore City; then what remains of the proceedings for the government of Baltimore Town, etc., from 1729 to 1797; then all proceedings of the old Levy Court and the County Commissioners for Baltimore County, so far as they affect public property now vested in this corporation, whether by the Constitution of 1851 or by Act of Assembly, from the earliest date to the time of last annexation in 1888; then all existing plats referred to in all the above ordinances, resolutions, acts and proceedings; and last of all, all deeds, etc., to and from those several corporate bodies of the State of Maryland of lands now within the present limits of the city of Baltimore, all to be classified and entered short (with succinct yet explicit reference to the original documents, by numbers, libers and folios, when possible, segregating all of such original documents as now remain the property of this corporation, numbering or lettering each one, and depositing all of them not already there in the office of the City Librarian for safe keeping) in some approved ledger form in one book, or series of books, alphabetically arranged, with cross references. When this much has been done, the rest will have suggested itself in the doing, and will be ready at hand to be entered in the proper places. This looks like a prodigious task; but, in fact, it is very simple indeed, and ought not to be particularly expensive. Of course, such books (when duly completed) must be duly kept up each year, but the cost of that would be trifling.

(*b*). The late Commissioners for Opening Streets, in their annual report for 1895, (page 11) make the suggestion "that all preliminary notices for street openings (and the subsequent thirty days'

notice given by this board), shall be required to provide for the condemning, opening, grading, paving and kerbing of a specified street or alley and the ordinance should be in conformity therewith, thus combining the opening, grading and paving in one ordinance. This would save the expense and delay of numerous subsequent notices and ordinances, and render the opening and the enjoyment of a new highway by the public more expeditious. Many applicants for street openings are satisfied to be paid their damages, and then leave the bed of the new street unpaved for an indefinite period. If the opening, grading, paving and kerbing are all required and provided for in one ordinance, and those who want their ground opened to market, realize that they must prepare it for public use promptly, there will not be so many applications for desultory openings, nor so many paper street beds remaining unpaved and unsightly." This suggestion I most heartily recommend, so far as it goes, but I would carry it a step further. All such ordinances ought to be framed upon the theory that the city is to do this grading, paving and kerbing at its own expense and within a reasonable time. If this were the case the assessed benefits and damages would more nearly reconcile each other, both in the condemnation proceeding before the Commissioners for Opening Streets and before the juries in case of appeals, and so ultimately save the city much money. In such case it would be an easy matter by direct proof to determine whether the actual damage for the land taken for the street bed was more or less than the benefit following from the building of a bona fide street ready for public use, and the scheme for proportioning the amounts of damages and benefits, respectively, among those interested as owners or abutters would become a matter of practical observation, no longer of expert guessing. Of course, this presupposes that the City Council should at the same time provide for the coincident payment of the excess of the damages over the benefits, if any; but I am persuaded that the amount needed for such payment would be (in ordinary cases) so very much smaller than heretofore as to justifiy the trial of this plan. However that may be, it is not right that it has grown to be the practice that the net damages are not usually paid for several years after all the

benefits have been collected, especially is it not right toward the the city, because it undoubtedly has a decided effect to swell the amount of damages assessed against the corporation.

(*c*). The laws respecting taxes and tax sales ought to be so amended (of course, by appeal to the General Assembly of Maryland, where the sole jurisdiction is), that tax titles ought rather to be the best (as they now unfortunately are the worst) titles in the State. The proposition that every decent land-owner must and ought to pay his assessed taxes needs no support; "absenteeism" is an offence against local self-goverment; the land owner, man or woman, (married or single, infant or adult, insane or sane), who claims land in Maryland, but resides elsewhere, is not justly entitled to the advantage over our own citizens, which our present statute of limitations gives If there be any advantage, it should be in favor of the man who pays his taxes in person, and because he pays his taxes in person. All real taxes should be levied against the particular lot to be taxed, (regardless of any leasehold interest of recent or ancient standing, without discrimination), and not against any particular owner or owners as such; practical observation will tell any experienced person how vague and useless is the (supposed) "personal responsibility" of the person or persons against whom such tax is now levied; let them only get that magical word "disowned" to be entered on our tax books after their names, and their "personal responsibility" is ended forever. Each and every lot of ground in this city (and indeed in this whole State) should be taxed *in rem*, as and for such lot of ground specially specifically and alone, and each and every such taxation should be enforcible against such lot of ground, and each and every claimant thereof (whether named or unnamed), without the least discrimination for any cause whatsoever, as in fee simple; till then, and not till then, we will be able to collect all city and State taxes up to date, always in absolute and certain payment, when and as due and demandable, and we shall no longer have to submit to the disgrace of estimating the year's levy as perhaps "seven-tenths collectible." Did ever one hear of such an "allowance" in private affairs? It is well known that this fiscal embarrassment arises anew every year to defeat the plain intention of the annual levy and create an addition to the "floating debt."

(*d*). Finally, the Examiner of Titles ought always to have at his command (at the discretion of the Mayor, from time to time), sufficient allowances, chargeable to "costs and expenses," to keep all work done through his office properly recorded in the Examiner's book; and all original abstracts, when so recorded, and the Commissioners for Opening Streets have done with them, should be deposited with the Comptroller for safe keeping. These abstracts are far too valuable to be at the risk they now are. I have caused all that have come into my possession to be re-indexed and arranged (at small cost), and find that only about one-third of them have ever been recorded, the originals of many which are recorded are not to be found; neither did Mr. McElroy have them when he came into office. The only escape from this serious danger is in constant and persistent recording of everything that passes through this office befors it passes out again, a rule which I have observed as far as I have had the means. My recording for the period embraced by this report, when completed, will fill nine of the Examiner's books, Libers F. W. S., Nos. 13 to 22, including the recording of several abstracts completed before I came into office, thus my recording for 1897 alone, equals in one year all the recording that my predecessors did in the whole twenty-one years before my time, and that at no perceptibly additional expense. The work of this office is still increasing very rapidly, as herein already stated. By comparison with Mr. McElroy's last report it will be seen that it was about half as much again in 1896 as it was in 1895, and in 1897 over half as much again as in 1896, so that the annual appropriation of $1,200 for "Assistance to the Examiner of Titles" (though $400 more than in 1896) is yet too small, and ought to be further increased; the recording of abstracts remaining unrecorded in this office when I entered, is perhaps the sorest complaint I have to make; the safeguards upon the expenditure of this fund (as well as my own personal zeal respecting the same, which will not be satisfied till every one of them has been duly recorded, or my connection with this office has expired) are so great that there is no danger of its being squandered, and it is well spent for the public advantage; nevertheless, it were better that the Mayor himself had

unlimited power to approve or disapprove all bills for recording needed in this office.

One further suggestion I might make, that is to say: It would greatly profit the city (to the saving of much money every year), if the Commissioners of Finance might be persuaded to buy (for the Sinking Fund), every redeemable rent the city now pays upon leasehold property, whether at six per centum or at five per centum, in preference to buying city stock, paying three or even four per centum interest; such rents are certainly as much city obligations in every respect as any city stock, while costing the city a much higher rate per annum, and no better investment could be suggested; in fact, I know that they are highly prized by those who own them, as indeed they should be; think of a six per centum investment secured by the sealed contract of this corporation, as well as by land and improvements of sufficient value specifically and independently set apart, with right of distress and ejectment or suit enforceable every six months.

Extreme illness has delayed this report, to my great regret, much beyond the usual time; therefore ti is with apologies.

Respectfully submitted, by your obedient servant,

FREDERICK W. STORY, *Examiner of Titles.*

ANNUAL REPORT

—OF THE—

DEPARTMENT OF STREET CLEANING

OF THE CITY OF BALTIMORE,

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897

OFFICERS AND EMPLOYES

—— OF THE ——

DEPARTMENT OF STREET CLEANING

FOR THE YEAR 1897.

ANDREW W. BOSTWICK,

Commissioner of Street Cleaning.

SAMUEL J. BLIGHT,

Secretary to the Commissioner.

JOHN B. LEACH,

Messenger.

SUPERINTENDENTS OF STREETS:

CHAS. L. STREBECK, *First District.*
JOSEPH H. COOPER, *Second District.*
WM. P. LANSEY, *Third District.*
GEO. F. COOPER, *Fourth District.*
HENRY LANCASTER, *Fifth District.*
CHAS. F. MARSH, *Sixth District.*
ALEX. HARRISON, *Seventh District.*
——— ———, *Eighth District.*

SUPERINTENDENTS OF DUMPS:

GEO. F. ALLEN, *Dump No.* 1.
WM. G. HOFFMAN, *Dump No.* 2.
JOHN HIPPLER, *Dump No.* 3.
ROBERT P. HARRISON, *Dump No.* 4.

NICHOLAS A. ARATA,

Foreman of Warehouse and Repairs.

LUTHER W. THOMAS,

Street Foreman of Sweeping Machines.

REPORT.

OFFICE OF COMMISSIONER OF STREET CLEANING—
CITY HALL.

BALTIMORE, January 1st, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: Pursuant to law and custom, I have the honor to present my report for the year just closed.

The appended tables show the number of men employed in the different branches of the service, and how the money was expended in paying them and meeting other demands upon the department.

The total appropriation for the year was $389,390.05, and the sum expended was $374,475.90, leaving a balance of $14,916.15.

The money turned over to the treasury for sales of street dirt, etc., amounted to $,1007.45.

During the year greater efficiency in the department has been apparent in the still further reduction of complaints from citizens.

When it is remembered that it comes into direct relationship daily with every family in the city, in the collection of garbage and ashes, it would seem strange if complaints were not constantly presented to the Commissioner or Superintendents. Of course, they do continue to arrive, but the volume of them has been reduced fully seventy-five per cent., and a very large portion of those received are without just cause. It frequently happens that the garbage collector is charged with neglect for declining to violate an ordinance or a rule of the department. Determined efforts have been made to break up the practice of mixing garbage and ashes, and thousands of circulars have been distributed among householders, explaining the necessity of obeying the law which

prohibits it and the penalty for its infraction. These notices have had a salutary effect, and the habit has nearly disappeared, but constant vigilance, with occasional promises of arrest for negligence, are necessary to insure permanent respect for this wholesome provision.

In my report of last year, I urged the importance of a better system for the disposal of our garbage. Our present method ought to be a back number if we propose to keep in the front rank of reform. Several of our sister cities have for a long time possessed themselves of plants for the more sanitary and agreeable disposition of kitchen offal, thereby presenting us with examples, which we can investigate, and thus save our citizens the trouble and cost of experiments. After giving careful attention to the subject, I reached the conclusion that the reduction system best disposes of the objectional odors emitted by garbage, and is at the same time the most economical. It is simple in construction and operation, and preserves everything which is worth preserving. From this process, two valuable products are obtained—a large percentage of fertilizer, and a moderate one of fat. The former one can be sold to the farmer, and the latter to the soap-maker.

An ordinance for the adoption of this system was presented to the City Council last winter, but as it provided for the collection of the garbage, as well as the disposition of it, by contract, strenuous objections were made to it, and it was rejected. I am still of the opinion that a plan should be devised which will admit of the adoption of this, or some equally effective system.

The contract under which our garbage was deported from the city expired in May last, and a new one, with new parties, was entered upon. The former contract covered the removal of garbage only, at an annual expense of $9,400, while the pea hulls, fruit skins, etc., were taken from the canneries at a further annual expense of $5,000, under the supervision of the Commissioner of Health. The present contract combines the two services under this department, at an annual cost of $4,900—a saving to the city of $9,500 per annum. This is an important item, but I am confident that the reduction system would have saved a much larger

sum, and at the same time would have been preferable from a sanitary point of view.

In last year's report I called your attention to the wretched condition of the lanes and alleys of the city. Many repairs have been made since then, but the customary wear and tear have left the average situation about the same. They are still marred by excavations and depressions, which are receptacles for rain and hydrant water, which during the heated term, decomposes and becomes a prolific breeder of discomfort—if nothing worse—to the neighborhood. It is my opinion that all alleys in which are private residences should be smoothly paved. This would enable the sweepers to go through them much more rapidly, and insure their being frequently flushed during the summer. Considering the sensitive condition of the city's finances and the clamor for improvements in many directions, I suggest that the owners of alley property which is used for habitations, be required to pave such alleys with sheet asphalt, or some equally desirable material. The increased value of the property, and improved health of the city, would more than compensate for the money expended.

Keeping the main thoroughfares of a city in a condition to invite the favorable criticism of visitors is only a small part of the duty of the Street Cleaning Department. The uncomplaining poor should be as carefully considered as those whose stately residences line our broad streets and avenues. A proper sanitary condition demands that every lane and alleyway, every cellar and back yard, should be kept free from contagious filth and noxious odors. We should see to it that the inside as well as the outside of the platter shall be kept clean.

The care of the sewers and inlets, which was transferred from the Health Office to this bureau, has added materially to its responsibilities and expenses. The unsatisfactory construction of many of these subsurface drains greatly increases the labor required for keeping them free from obstructions. In various instances, the inlets were prepared with little consideration for the demands made upon them, a large stream of water being expected to flow through a small aperture or to climb several inches above the

original grade. Overflows and stagnation result from such faulty construction, and this department is frequently expected to remedy evils which are the sequence of a system that is without system. In other cases, wooden boxes have been used instead of masonry and pipes, and these have eventually given way, and been left to obstruct the waste water, and cause it to flood the highways and neighboring property. This defective constuction of inlets and drains increases the work of this department and effects the health of the localities in which the conditions exist.

The work of the department has, also, been much increased by the unsatisfactory manner in which the street railway companies have been permitted to lay their tracks at street and alley crossings. During the past year many new branches have been made to the several lines which traverse our highways, and little attention has been given to providing for the exit of the water, which almost constantly flows through our gutters. It has not been remembered that a six-inch stream will not accommodate itself to a three-inch space, consequently these narrow conduits under their tracks and plates are constantly becoming obstructed by waste paper and other debris. Much of the time of our employes is consumed in removing accumulations which result from the defective work of these private corporations; therefore, I advise the passage of an ordinance which shall require the street railway companies to keep unobstructed and clean all gutters at street and alley corners where the flow of water is interrupted by their tracks or the coverings which have been placed there for their benefit.

Justice to a certain branch of our fellow citizens determined our present City Executive to arrange for another colored district in this department. The further employment of the colored race had been favorably considered by Mayor Hooper, but certain events interfered with the completion of his plans. The creation of a new colored district was one of the earliest and most important changes directed by Mayor Malster. An ordinance for the purpose was passed by both branches of the City Council at one sitting, promptly signed by the Mayor, and the new district, known as No. 2, commenced operations on the 13th of December. The ex-

cellent manner in which the men have performed their duties is sufficient comment on the policy which conceived, and the wisdom which effected the change. The excellent work achieved by the two colored districts now in full operation is, no doubt, in the minds of many of our fellow citizens, a sufficient warrant for extending the employment of this element of our population to other branches of the public service. The colored people are with us to stay, and are fair competitors for employment.

In the early part of 1897 the Commissioner believed it would be necessary for him to buy several side-sweeping machines, as nearly all of those in use had become so dilapidated by long service as to require constant and expensive repairing. But instead of incurring the expense of new ones, he decided to have the old ones reconstructed. The work has been completed on all of them, and the eight machines are now as good as new, and in some respects better than on the days they were bought; and the cost of the work has been less than one-third the cost of new machines.

In my report of last year, I advised the city's ownership of the horses which haul the sweeping machines and sprinklers. At present, it is done under contract; and while much better service has been secured at a lower rate than formerly, there are still some of the deficiences which usually attach to all contract work. I believe that all city employes should be under the immediate conrol of the heads and sub-heads of the departments, withont the ntervention of a contractor. The carts and horses employed by the city should be owned by the city, which would insure uniformity of construction and quality. The carts in this department should be of steel; and those in the garbage service should have close covers, then no unwholesome odors would be distributed along the streets; and the clothes, eyes and nostrils of pedestrians would not be offended by vagrant ashes.

During the year a change has been made in the cleaning of our smooth pavements, which has received general commendation. We tried flushing them at night with a special force. It will readily be seen that a large stream under hydrant pressure effec-

tually removes all of the fine dust which so easily finds its way into our open doors and windows in summer. Of course the work has been suspended for the winter, but will be resumed with the advent of warm weather.

Our system of placing single sweepers, with patrol carts, on many of our streets is still continued, to the satisfaction of those who get the benefit from it. The results secured by this method are a perpetual recommendation for better streets. Give us good pavements, and we will keep them clean; but I challenge any body of men to keep in wholesome condition the wretched apologies for pavements which disfigure the most of our streets and alleys. A host of angels with their sweeping wings oscillating with double-quick rapidity could not do it.

An ordinance providing for the purchase of one hundred metal boxes to be used as receptacles for waste paper and other rubbish was passed by the Council and approved by the Mayor on the 9th of December, the money for them ($400) to be taken from the levy of 1897. It is a subject of regret to me that this ordinance was completed too late to be effective. The law requires all contracts covering a sum of $200 or more to be advertised for during a period of from ten to twenty days. It will be seen, therefore, that the advertising, the acceptance of a proposal, the manufacture of the boxes, their adjustment to poles or posts, and the paying for them, could not have been accomplished within the few days left of 1897. I shall ask the Council to amend the ordinance so as to make it operative this year.

There is a tendency to turn the odds and ends of duties naturally belonging to different branches of city government over to this department. It is supposed to be a sort of *omnium gatherum* of the disagreeables. For example: we have been obliged to assume the cleaning of sewers and inlets, to gather the offal and remove the pea hulls, etc., which were formerly (as above explained) portions of the Health Department's duties. We have the bridges to keep in order, which was formerly done under the City Commissioner. We have to clean the snow and ice from the sidewalks bordering school houses and other public buildings; also

to remove grass from the gutters in front of them in summer. As all school houses are provided with janitors, it should be their duty to keep the sidewalks free from ice and snow in winter, and the grass from the gutters in summer. This remark applies to the superintendents of squares and parks, who should be required to remove snow and ice from their paths and sidewalks. This department should be left free to perform the duties which legitimately belong to it: cleaning the streets and alleys, keeping the sewers and inlets open, and removing garbage and ashes from the residences.

In the month of February this department was called upon to remove a large accumulation of snow and ice from the streets. For this extra service the Council appropriated $40,000. The work was accomplished at a cost of $5,901.05.

The final disposition of this great bulk of material was an important item in its removal. It became necessary to obtain the consent of the Harbor Board, in order that it might be dumped into "The Falls."

As a snow-storm is liable to visit the city at any time during the winter, and prompt removal of the snow from the streets is necessary, I recommend an ordinance which will permit the dumping of it into the harbor, or any part of "The Falls," without the formality of asking permission of any other branch of the city government.

Some important changes have been made in the *personnel* of my department during the year. In March the Superintendent of the Third District (colored) was dismissed for irregularities in his pay rolls. He was promptly arrested, and afterward tried for the offence, but a disagreement of the jury postponed the final disposition of the case. A new trial is expected some time during the winter. He was succeeded by the present incumbent, Wm. P. Lansey.

On the first day of November, G. E. McCauley, Superintendent of the Second District, resigned his commission. This vacancy has not yet been filled.

It will be noticed that my estimate for 1898 is about the same

as the appropriation for 1897, although I return $14,916.15 to the city treasury. The financial entanglements incident to the workings of the New Assessment Law so far interfered with the tax levy as to caution me to keep my expenses for the first half of the year at low-water mark—lower than they should have been for the good of the service. It must be remembered that the city is constantly expanding, that new streets are being opened and built upon, and the pavements are getting worse, therefore more difficult to keep clean. I shall need all the money for which I have asked, and should be glad of enough to keep all the idle, needy men employed. But the day for the exercise of so much beneficence and so much wisdom has not arrived. When it does our pauper asylums, our jails and our penitentiaries will, for the most part, be "to let," and we shall be on the verge of becoming a Christian people.

I take much pleasure in acknowledging the valuable assistance which I have received during the year from my Secretary, Mr. Blight, who has kept the accounts in such perfect order that the financial condition of the department can always be ascertained without trouble or delay; also, in recognizing Mr. Leach, the Messenger, who has performed his part faithfully and intelligently.

The relations between the present Superintendents and myself have been most gratifying. They have attended to their many and onerous duties with as much zeal and enthusiasm as they would have given to private pursuits from which they expected liberal compensation and high honors.

To the daily papers and their *attaches*—with whom I have been brought into intimate contact—I extend my thanks for generous and complimentary recognition. If they have sometimes criticised adversely, their strictures have been in the spirit of justice and comity.

Below I present my estimate of expenses for the year just commenced:

151 garbage carts and men at $18.00 per week	$141,336 00
80 street carts and men at $18.00 per week.....	74,880 00
170 sweepers and scrapers at $10.00 per week.....	88,400 00
Salaries.....	10,000 00
Contingent fund.....	800 00
Sweeping machines, sprinklers, etc.....	20,000 00
Dumps.....	2,500 00
Contract for removal of garbage.....	4,900 00
Tools, repairs, etc.....	2,500 00
Total.....	$345,316 00

ANNEX.

20 garbage carts and men at $18.00 per week.....	$18,720 00
10 street carts and men at $18.00 per week.....	9,360 00
20 sweepers and scrapers at $10.00.....	10,400 00
Salary of Superintendent.....	1,000 00
Tools.....	150 00
Total.....	$39,630 00

Respectfully submitted.

ANDREW W. BOSTWICK,
Commissioner of Street Cleaning.

TABLES.

WEEKLY REPORT OF WORK DONE IN THE STREET AND GAR- AND REMOVED, NUMBER OF MEN EMPLOYED, NUM- IN EACH SEPARATE DISTRICT, ALSO AMOUNT FROM JANUARY 1, 1897,

DISTRICT No. 1. CHAS. L. STREBECK, SUPERINTENDENT.	Number of loads of garbage collect'd and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending January 6....	111	465	232	$378 00	$473 32
" " " 13....	114	471	224	378 00	475 00
" " " 20....	105	487	324	378 00	481 66
" " " 27....	98	512	309	378 00	481 67
" " " 30....	65	280	389	189 00	305 18
	493	2,215	1,478	$1701 00	$2,216 83
Week ending February 6...	86	512	718	$378 00	$480 00
" " " 6.....	.....	.....	614	.....	394 28
" " " 13...	96	506	452	378 00	481 66
" " " 13.....	.....	.....	744	.....	724 98
" " " 20...	101	514	533	378 00	481 67
" " " 27...	105	501	463	378 00	480 00
	388	2,033	3,524	$1512 00	$3,042 59
Week ending March 6.....	108	487	400	$378 00	$481 66
" " " 13.....	109	460	356	378 00	481 66
" " " 20.....	112	475	294	378 00	468 00
" " " 27.....	113	461	290	378 00	472 66
	442	1,883	1,340	$1512 00	$1,903 98
Week ending April 3.....	109	431	340	$378 00	$481 67
" " " 10.....	113	428	267	378 00	478 67
" " " 17.....	124	419	453	378 00	481 66
" " " 24.....	121	394	288	378 00	481 67
	467	1,672	1,348	$1512 00	$1,923 67
Week ending May 1.....	136	353	403	$378 00	$475 00
" " " 8.....	141	345	310	378 00	481 67
" " " 15.....	174	285	254	378 00	463 66
" " " 22.....	211	254	342	378 00	471 67
" " " 29.....	212	231	321	378 00	470 00
	874	1,468	1,630	$1890 00	$2,362 00

*January 30 changed ending of week to Saturday.

BAGE DEPARTMENT, SHOWING NUMBER OF LOADS COLLECTED
BER OF STREET AND GARBAGE CARTS EMPLOYED
EXPENDED FOR TOOLS AND INCIDENTALS
TO DECEMBER 31, 1897.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of Garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$14 56	$14 77	21	10	30	808	$880 65
53 30	.....	21	10	30	809	906 30
18 28	15 83	21	10	30	916	893 77
13 26	3 05	21	10	30	919	875 98
24 87	.....	21	10	30	734	*519 05
$124 27	$33 65	.....	.....	.....	4,186	$4,075 75
$16 71	$25 20	21	10	30	1,316	$899 91
.....	30 40	.....	19	54	614	§424 68
.....	14 12	21	10	30	1,054	873 78
.....	.....	.....	19	53	744	§724 98
29 01	.....	21	10	30	1,148	888 68
21 35	60 55	21	10	30	1,069	939 90
$67 07	$130 27	.....	.....	.....	5,945	$4,751 93
$46 35	.....	21	10	30	995	$906 01
32 09	$6 40	21	10	30	925	898 15
31 57	.....	21	10	30	881	877 57
38 52	18 48	21	10	30	864	907 66
$148 53	$24 88	.....	.....	.....	3,665	$3,589 39
$49 89	.....	21	10	30	880	$909 56
11 60	$11 15	21	10	30	808	879 42
20 62	2 90	21	10	30	996	883 18
43 50	6 92	21	10	30	803	910 09
$125 61	$20 97	.....	.....	.....	3,487	$3,582 25
$51 03	$1 24	21	10	30	892	$905 27
47 66	.....	21	10	30	796	907 33
31 64	11 54	21	10	29	713	884 84
41 49	.....	21	10	29	807	891 16
49 02	.....	21	10	29	764	848 00
$220 84	$12 78	.....	.....	.....	3,972	$4,436 60

§February 6 and 13, extra, for cleaning off snow.

TABLE A.—Continued.

DISTRICT No. 1. CHAS. L. STREBECK, SUPERINTENDENT.	Number of loads of garbage collected and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending June 5.....	212	196	312	$378 00	$475 00
" " " 12.....	219	175	294	378 00	480 16
" " " 19.....	249	163	323	375 00	473 32
" " " 26.....	255	151	340	378 00	478 67
	935	685	1,269	$1509 00	$1,907 15
Week ending July 3.....	219	175	293	$378 00	$478 34
" " " 10.....	254	134	214	378 00	481 67
" " " 17.....	262	129	383	378 00	481 66
" " " 24.....	274	131	380	378 00	481 67
" " " 31.....	299	123	275	378 00	474 16
	1,308	692	1,545	$1890 00	$2,397 50
Week ending Aug. 7.....	312	123	300	$378 00	$481 67
" " " 14.....	317	104	269	378 00	480 00
" " " 21.....	350	104	311	378 00	478 67
" " " 28.....	330	99	318	378 00	480 00
	1,309	430	1,198	$1512 00	$1,920 34
Week ending Sept. 4.....	349	100	279	$378 00	$478 67
" " " 11.....	349	104	295	378 00	476 68
" " " 18.....	327	105	292	378 00	481 67
" " " 25.....	267	122	253	378 00	481 66
	1,292	431	1,119	$1512 00	$1,918 68
Week ending Oct. 2.....	252	124	281	$378 00	$480 00
" " " 9.....	258	141	266	378 00	478 32
" " " 16.....	251	141	284	378 00	475 00
" " " 23.....	236	173	281	378 00	481 67
" " " 30.....	236	193	290	378 00	481 66
	1,233	772	1,402	$1890 00	$2,396 65
Week ending Nov. 6.....	191	232	277	$378 00	$481 66
" " " 13.....	161	270	383	378 00	481 67
" " " 20.....	152	310	310	378 00	478 32
" " " 27.....	144	335	342	378 00	471 67
	648	1,147	1,312	$1512 00	$1,913 32
Week ending Dec. 4.....	123	402	283	$378 00	$475 66
" " " 11.....	131	375	332	378 00	481 67
" " " 18.....	134	389	281	378 00	481 67
" " " 15.....	104	374	244	378 00	481 67
	492	1,540	1,140	$1512 00	$1,920 67

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$42 16	$6 40	21	10	30	720	$901 56
52 81	4 10	21	10	30	688	915 07
37 41	1 05	21	10	30	735	886 78
42 85	6 40	21	10	30	746	905 92
$175 23	$17 95	.....	.....	.....	2,889	$3,609 33
$46 22	.....	21	10	30	687	$902 56
36 62	.....	21	10	30	602	896 29
40 87	$8 65	21	10	30	774	909 18
35 25	.....	21	10	30	785	894 92
37 51	.....	21	10	30	697	889 67
$196 47	$8 65	.....	.....	.....	3,545	$1,492 62
$39 91	$6 65	21	10	30	735	$906 23
31 13	.....	21	10	30	690	889 13
38 61	6 80	21	10	30	765	902 08
33 89	75	21	10	30	747	892 64
$143 54	$14 20	.....	.....	.....	2,937	$3,590 08
$55 75	.....	21	10	30	728	$912 42
36 90	$6 80	21	10	30	748	898 38
37 63	.....	21	10	30	724	897 30
29 38	.....	21	10	30	642	889 04
$159 66	$6 80	.....	.....	.....	2,842	$3,597 14
$44 23	$6 80	21	10	30	657	$909 03
48 86	.....	21	10	30	665	905 18
42 95	5 68	21	10	30	676	901 63
37 62	6 80	21	10	30	690	904 09
28 00	.....	21	10	30	719	887 66
$201 66	$19 28	.....	.....	.....	3,407	$4,507 59
$28 43	$1 45	21	10	30	700	$889 54
34 85	.....	21	10	30	814	894 52
27 22	9 30	21	10	30	772	892 84
23 38	.....	21	10	30	821	873 05
$133 88	$10 75	.....	.....	.....	3,107	$3,549 95
$35 48	$19 60	21	10	30	808	$908 74
45 45	2 50	21	10	30	838	907 62
47 80	75	21	10	30	804	908 22
41 92	6 80	21	10	30	722	908 39
$170 65	$29 65	.....	.....	.....	3,172	$3,632 97

TABLE A—Continued..

DISTRICT NO. 2. GEO. E. McCAULEY, SUPERINTENDENT.	Number loads of garbage collected and removed.	Number loads of ashes collected and removed.	Number loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing garbage and ashes.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending January 2....	34	906	491	$504 00	$443 00
" " " 9....	31	827	378	504 00	448 00
" " " 16....	40	816	418	504 00	449 66
" " " 23....	43	843	386	504 00	448 00
" " " 30....	25	919	418	504 00	446 33
	193	4,311	2,091	$2517 00	$2,234 99
Week ending February 6..	29	875	523	$504 00	$442 16
" " " 6.....			365	.....	186 28
" " " 13..	36	1,012	537	498 00	446 34
" " " 13.....			983	.....	507 98
" " " 20..	62	935	429	504 00	442 16
" " " 27..	44	833	430	504 00	458 00
	171	3,655	3,267	$2010 00	$2,482 92
Week ending March 6.....	41	823	461	$504 00	$458 00
" " " 13.....	51	816	430	504 00	458 00
" " " 20.....	48	813	461	504 00	443 31
" " " 27.....	53	825	433	504 00	443 83
	193	3,277	1,785	$2016 00	$1,803 14
Week ending April 3.....	55 *	843	461	$504 00	$447 16
" " " 10.....	61	796	430	504 00	436 63
" " " 17.....	74	810	458	504 00	448 00
" " " 24.....	72	797	458	504 00	448 00
	262	3,246	1,807	$2016 00	$1,779 79
Week ending May 1.....	80	775	428	$504 00	$446 33
" " " 8.....	100	768	493	504 00	442 15
" " " 15.....	130	730	415	504 00	448 00
" " " 22.....	146	709	427	504 00	448 00
" " " 29.....	172	782	429	504 00	447 16
	628	3,764	2,192	$2520 00	$2,231 64
Week ending June 5.....	181	696	545	$504 00	$448 00
" " " 12.....	188	690	536	504 00	444 66
" " " 19.....	197	686	448	504 00	443 00
" " " 26.....	197	661	371	504 00	448 00
	763	2,733	1,900	$2016 00	$1,783 66

* February 6 and 13, extra for cleaning off snow.

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$ 8 12	$ 5 03	28	11	25	1,431	$960 15
18 30	.....	28	11	25	1,256	967 30
20 66	7 50	28	11	25	1,274	981 82
6 76	.....	28	11	25	1,272	958 76
24 87	11 30	28	11	25	1,362	986 50
$78 71	$23 83	.....	.....	.....	6,595	$4,854 53
$16 71	$ 1 90	28	11	25	1,427	$964 77
.....	8 00	.....	12	20	365	* 194 28
.....	.....	28	11	25	1,585	944 34
.....	.....	.....	16	25	983	* 507 98
24 45	7 20	28	11	25	1,426	977 81
21 85	53 47	28	11	26	1,307	1,037 32
$63 01	$70 57	.....	.....	.....	7,093	$4,626 50
$36 22	$6 80	28	11	26	1,325	$1,005 02
37 15	9 75	28	11	26	1,297	1,008 90
14 82	3 20	28	11	26	1,322	965 33
28 33	3 20	28	11	25	1,311	979 36
$116 52	$22 95	.....	.....	.....	5,255	$3,958 61
$35 14	.....	28	11	25	1,359	$986 30
19 10	$8 70	28	11	25	1,287	968 43
22 62	3 47	28	11	25	1,342	978 09
35 06	7 43	28	11	25	1,327	994 49
$111 92	$19 60	.....	.....	.....	5,315	$3,927 31
$45 59	$3 20	28	11	25	1,283	$999 12
35 66	3 20	28	11	25	1,361	985 01
22 89	11 71	28	11	25	1,275	986 60
37 99	3 20	28	11	25	1,282	993 19
59 52	11 30	28	11	25	1,383	951 16
$201 65	$32 61	.....	.....	.....	6.584	$4,915 08
$33 41	$3 20	28	11	25	1,422	$988 61
48 31	.....	28	11	25	1,414	996 97
19 91	3 20	28	11	25	1,331	970 11
55 10	6 50	28	11	25	1,229	1,013 60
$156 73	$12 90	.....	.....	.....	5,396	$3,969 29

TABLE A.—Continued.

DISTRICT NO. 2. GEO. E. McCAULEY, SUPERINTENDENT.	Number of loads of garbage collected and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending July 3.....	168	756	601	$504 00	$443 83
" " " 10.....	198	657	406	504 00	445 50
" " " 17.....	207	645	595	504 00	443 00
" " " 24.....	222	699	598	504 00	445 00
" " " 31.....	263	520	475	504 00	445 50
	1,058	3,177	2,675	$2520 00	$2,222 83
Week ending August 7....	264	562	589	$504 00	$446 34
" " " 14....	342	476	591	504 00	446 34
" " " 21....	349	388	547	504 00	446 34
" " " 28....	335	402	414	504 00	448 00
	1,290	1,828	2,141	$2016 00	$1,787 02
Week ending Sept. 4.....	366	435	430	$504 00	$448 00
" " " 11.....	401	354	420	501 00	448 00
" " " 18.....	384	400	412	504 00	448 00
" " " 25.....	248	538	433	489 00	448 00
	1,399	1,727	1,695	$1998 00	$1,792 00
Week ending Oct. 2.....	207	608	420	$501 00	$448 00
" " " 9.....	206	608	478	504 00	448 00
" " " 16.....	192	618	516	504 00	446 33
" " " 23.....	173	675	462	504 00	446 33
" " " 30.....	178	634	469	504 00	448 00
	956	3,143	2,345	$2517 00	$2,236 66
Week ending Nov. 6.....	152	696	455	$504 00	$448 00
" " " 13.....	136	709	434	504 00	446 33
" " " 20.....	97	745	450	504 00	447 16
" " " 27.....	80	740	455	504 00	448 00
	465	2,890	1,794	$2016 00	$1,789 49
Week ending Dec. *4.....	49	1,027	398	$504 00	$448 00
" " " 11.....	76	992	349	504 00	448 00
" " " §18.....	.....	.....	169	.....	278 00
" " " 25.....	.....	.....	152	.....	277 17
	125	2,019	1,068	$1008 00	$1,451 17

*December 4, Wm. G. Harryman acting as Superintendent.
§Joseph H. Cooper in charge of District.
†District divided in half and changed into a Colored District.

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$44 47	$3 20	28	11	25	1,525	$995 50
40 12	3 20	28	11	25	1,261	992 82
35 62	6 40	28	11	25	1,147	989 02
14 25	3 20	28	11	25	1,419	966 45
30 51	6 80	28	11	25	1,258	986 81
$164 97	$22 80	.....	.....	.....	6,910	$4,930 60
$36 41	.....	28	11	25	1,415	$986 75
17 13	6 50	28	11	25	1,409	973 97
30 86	3 20	28	11	25	1,284	984 40
40 89	3 40	28	11	25	1,151	996 29
$125 29	$13 10	.....	.....	.....	5,259	$3,941 41
$43 50	$3 40	28	11	25	1,231	$998 90
47 40	6 70	28	11	25	1,175	1,003 10
27 13	3 40	28	11	25	1,196	982 53
18 88	8 20	28	11	25	1,219	964 08
$136 91	$21 70	.....	.....	.....	4,821	$3,948 61
$58 48	$ 6 90	28	11	25	1,235	$1,014 38
44 61	.....	28	11	25	1,292	996 61
40 45	19 55	28	11	25	1,326	1,010 33
25 62	.....	28	11	25	1,310	975 95
29 00	....	28	11	25	1,281	981 00
$198 16	$26 45	.....	.....	.....	6,444	$4,978 27
$41 68	$10 30	28	11	25	1,303	$1,003 98
39 60	.....	28	11	25	1,279	989 93
28 22	14 70	28	11	25	1,292	994 08
26 13	.....	28	11	25	1,275	978 13
$135 63	$25 00	.....	.....	.....	5,149	$3,966 12
$27 73	$28 20	28	11	25	1,474	$1,007 93
44 70	13 80	28	11	25	1,417	1,010 50
45 80	17 50	.....	6	17	169	†341 30
29 92	13 26	.....	6	17	152	320 35
$148 15	$72 76	.....	.....	.....	3,212	$2,680 08

TABLE A.—Continued.

DISTRICT No. 3. GEORGE W. BRYANT, SUPERINTENDENT.	Number of loads of garbage collect'd and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending January 2...	45	416	598	$288 00	$652 68
" " " 9...	39	434	970	288 00	696 00
" " " 16...	44	462	990	288 00	652 68
" " " 23...	33	447	912	288 00	661 20
" " " 30...	32	465	1,569	288 00	696 00
	193	2,224	5,039	$1440 00	$3,358 56
Week ending February 6..	26	459	2,200	$288 00	$696 00
" " " 6..	.....	.....	960	.....	237 24
" " " 13..	28	459	1,948	288 00	652 68
" " " 13..	.....	.....	430	.....	228 90
" " " 20..	26	451	880	288 00	696 00
" " " 27..	25	439	660	288 00	638 64
	105	1,808	7,078	$1152 00	$3,149 46
Week ending March 6.....	24	429	990	$288 00	$653 52
" " " 13.....	32	429	1,020	288 00	659 40
" " " 20.....	36	423	807	288 00	645 18
" " " §27.....	30	424	867	288 00	696 00
	122	1,705	3,684	$1152 00	$2,654 10
Week ending April §3.....	36	404	487	$288 00	$695 96
" " " 10.....	40	388	535	288 00	685 67
" " " ‖17.....	45	379	529	288 00	692 83
" " " 24.....	47	362	531	288 00	695 16
	168	1,533	2,082	$1152 00	$2,769 62
Week ending May 1.....	60	333	407	$288 00	$691 33
" " " 8.....	80	330	344	288 00	632 74
" " " 15.....	86	303	456	288 00	641 03
" " " 22.....	87	284	388	288 00	694 47
" " " 29.....	88	275	342	288 00	627 86
	401	1,525	1,937	$1440 00	$3,287 43
Week ending June 5.....	88	269	304	$288 00	$630 87
" " " 12.....	89	275	355	288 00	674 64
" " " 19.....	89	266	364	288 00	678 00
" " " 26.....	89	257	416	288 00	675 49
	355	1,067	1,439	$1152 00	$2,659 00

*February 6 and 13, extra for cleaning off snow.
§March 27 to April 10, Mr. Geo. W. Della, Acting Superintendent.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$63 98	$26 63	16	22	30	1,059	$1,031 29
79 46	12 80	16	22	30	1,443	1,076 26
56 57	.....	16	22	30	1,496	997 25
41 29	17 10	16	22	30	1,392	1,007 59
36 50	20 35	16	22	30	2,066	1,040 85
$277 80	$76 88	.....	.....	.....	7,456	$5,153 24
$31 71	$11 35	16	22	30	2,685	$1,027 06
.....	20 00	.....	12	14	960	* 257 24
54 90	10 12	16	22	30	2,435	1,005 70
.....	.....	.....	12	15	430	* 228 90
92 09	10 12	16	22	30	1,357	1,086 21
74 88	9 60	16	22	30	1,124	1,011 12
$253 58	$61 19	.....	.....	.....	8,991	$4,616 23
$106 95	10 12	16	22	30	1,443	$1,058 59
78 86	9 60	16	22	30	1,481	1,035 86
79 15	9 60	16	22	30	1,266	1,021 93
97 04	13 60	16	22	30	1,321	1,094 64
$362 00	$42 92	.....	.....	.....	5,511	$4,211 02
$102 60	.....	16	22	30	927	$1,086 56
85 20	$18 22	16	22	30	963	1,077 09
106 03	9 60	16	22	30	953	1,096 46
124 60	9 60	16	22	30	940	1,117 36
$418 43	$37 42	.....	.....	.....	3,783	$4,377 47
$121 82	$11 55	16	22	30	800	$1,112 70
97 00	9 60	16	22	30	754	1,027 34
73 06	11 20	16	22	30	845	1,013 29
92 25	.....	16	22	30	759	1,074 72
131 42	16 00	16	21	30	705	915 86
$515 55	$48 35	.....	.....	.....	3,863	$5,143 91
$84 07	.....	16	21	30	661	$1,002 94
101 87	$16 00	16	21	30	719	1,080 51
78 32	75	16	21	30	719	1,045 07
113 70	16 00	16	21	30	762	1,093 19
$377 96	$32 75	.....	.....	.....	2,861	$4,221 71

‖April 17, Mr. William P. Lansey took charge of the District as Superintendent.

TABLE A.—Continued.

DISTRICT No. 3. GEORGE W. BRYANT, SUPERINTENDENT.	Number of loads of garbage collected and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending July 3.....	104	240	375	$288 00	$676 34
" " " 10.....	87	240	250	288 00	669 68
" " " 17.....	91	235	378	288 00	669 99
" " " 24.....	86	229	323	288 00	677 17
" " " 31.....	92	235	267	288 00	568 64
	460	1,179	1,593	$1440 00	$3,261 82
Week ending August 7....	91	226	333	$288 00	$678 00
" " " 14....	92	241	367	288 00	634 73
" " " 21....	101	245	340	288 00	673 82
" " " 28....	104	225	298	288 00	613 20
	388	937	1,338	$1152 00	$2,599 75
Week ending Sept. 4.....	93	237	382	$288 00	$635 73
" " " 11.....	104	243	403	288 00	676 33
" " " 18.....	101	253	412	288 00	672 98
" " " 25.....	92	264	353	288 00	596 27
	390	997	1,550	$1152 00	$2,581 31
Week ending Oct. 2.....	93	265	383	$288 00	$676 33
" " " 9.....	88	275	443	288 00	673 16
" " " 16.....	86	276	379	288 00	662 35
" " " 23.....	77	292	392	288 00	655 16
" " " 30.....	84	279	384	288 00	650 49
	428	1,387	1,981	$1440 00	$3,317 49
Week ending Nov. 6.....	66	317	374	$288 00	$505 69
" " " 13.....	48	330	383	288 00	665 84
" " " 20.....	52	347	370	288 00	678 00
" " " 27.....	44	365	313	288 00	677 14
	210	1,359	1,440	$1152 00	$2,526 67
Week ending Dec. 4.....	31	370	362	$285 00	$669 00
" " " 11.....	46	371	362	288 00	673 83
" " " 18.....	43	384	429	288 00	674 66
" " " 25.....	33	352	283	288 00	670 00
	153	1,477	1,436	$1149 00	$2,687 49

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$92 46	$16 00	16	21	30	719	$1,072 80
90 82	.....	16	21	30	577	1,048 50
90 24	.....	16	21	30	704	1,048 23
79 50	17 03	16	21	30	638	1,061 70
101 56	.....	16	21	30	594	958 20
$454 58	$33 03	.....			3,232	$5,189 43
$91 61	$15 50	16	21	30	650	1,073 11
86 26	.....	16	21	30	700	1,008 99
93 28	15 50	16	21	30	686	1,070 60
97 28	.....	16	21	30	627	998 48
$368 43	$31 00	.....			2,663	$4,151 18
$114 00	$15 50	16	21	30	712	$1,053 23
101 87	.....	16	21	30	750	1,066 20
106 26	18 95	16	21	30	766	1,086 19
77 05	4 50	16	21	30	709	965 82
$399 18	$38 95	.....			2,937	$4,171 44
$105 53	$15 76	16	21	30	741	$1,085 62
97 72	.....	16	21	30	806	1,058 88
89 47	15 75	16	21	30	741	1,055 57
77 78	.....	16	21	30	761	1,020 94
62 30	10 20	16	21	30	747	1,010 99
$432 80	$41 71	.....			3,796	$5,232 00
$85 36	$18 80	16	21	30	757	$897 85
81 45	3 60	16	21	30	761	1,038 89
82 44	16 90	16	21	30	769	1,065 34
90 01	8 76	16	21	30	722	1,063 91
$339 26	$48 06	.....			3,009	$4,065 99
$76 47	.....	16	21	30	763	$1,030 47
103 44	$18 80	16	21	30	779	1,084 07
122 60	.....	16	21	30	856	1,085 26
88 91	20 40	16	21	30	668	1,067 31
$391 42	$39 20	.....			3,066	$4,267 11

TABLE A.—Continued.

DISTRICT NO. 4. GEO. F. COOPER, SUPERINTENDENT.	Number of loads of garbage collected and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending January 6....	88	763	334	$522 00	$468 00
" " " 13....	109	791	305	522 00	468 00
" " " 20....	115	745	260	522 00	478 00
" " " 27....	108	747	318	522 00	478 00
" " " 30....	74	379	229	261 00	239 00
	494	3,425	1,446	$2349 00	$2,131 00
Week ending February 6...	114	792	620	522 00	475 00
" " " 6....	.....	.....	880	.....	592 08
" " " 13....	113	796	558	522 00	478 00
" " " 13.,..	.....	.....	1,250	.....	874 80
" " " 20....	109	807	328	522 00	478 00
" " " 27....	113	805	348	522 00	478 00
	449	3,200	3,984	$2088 00	$3,375 88
Week ending March 6.....	100	752	330	522 00	478 00
" " " 13.....	97	793	424	522 00	478 00
" " " 20.....	107	793	406	522 00	478 00
" " " 27.....	126	787	400	522 00	476 33
	430	3,125	1,560	$2088 00	$1,910 33
Week ending April 3.....	126	812	462	522 00	468 00
" " " 10.....	128	725	345	522 00	427 41
" " " 17.....	128	736	303	522 00	476 33
" " " 24.....	139	678	306	522 00	478 00
	521	2,951	1,416	$2088 00	$1,849 74
Week ending May 1.....	141	643	302	522 00	474 66
" " " 8.....	183	559	330	522 00	478 00
" " " 15.....	239	453	396	522 00	466 33
" " " 22.....	286	383	384	522 00	468 00
" " " 29.....	298	297	384	522 00	471 33
	1,147	2,335	1,796	$2610 00	$2,358 32
Week ending June 5.....	302	273	381	513 00	468 00
" " " 12.....	322	230	330	522 00	468 00
" " " 19.....	352	239	390	522 00	464 66
" " " 26.....	361	236	393	522 00	466 33
	1337	978	1,494	$2079 00	$1,866 99

*January 30, changed ending of week to Saturday.

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$27 06	.....	29	11	27	1,185	$1,017 06
49 80	$18 22	29	11	27	1,205	1,058 02
11 28	.....	29	11	28	1,120	1,011 28
11 64	4 05	29	11	28	1,173	1,015 69
24 87	4 05	29	11	28	682	* 528 92
$124 65	$26 32	.....	.....	.....	5,365	$4,630 97
15 71	65	29	11	28	1,526	$1,014 36
.....	28 00	.....	25	60	880	§ 620 08
.....	.....	29	11	28	1,467	1,000 00
.....	.....	.....	25	60	1,250	§ 874 80
34 88	10 12	29	11	28	1,244	1,045 00
24 85	45 55	29	11	28	1,266	1,070 40
$76 44	$84 32	.....	.....	.....	7,633	$5,624 64
46 35	.....	29	11	28	1,182	$1,046 35
26 84	.....	29	11	28	1,314	1,026 84
21 20	$17 77	29	11	28	1,306	1,038 97
37 14	.....	29	11	28	1,313	1,035 47
$131 53	$17 77	.....	.....	.....	5,115	$4,147 63
41 14	$10 75	29	11	27	1,400	$1,041 89
22 10	.....	29	11	27	1,198	971 51
34 62	.....	29	11	28	1,167	1,032 95
43 50	8 10	29	11	28	1,123	1,051 60
$141 36	$18 85	.....	.....	.....	4,888	$4,097 95
44 03	$9 60	29	11	28	1,086	$1,050 29
52 91	3 00	29	11	28	1,072	1,055 91
36 14	.....	29	11	27	1,088	1,024 47
39 74	9 60	29	11	27	1,053	1,039 34
56 02	.....	29	11	28	979	993 33
$228 84	$22 20	.....	.....	.....	5,278	$5,163 34
34 41	.....	29	11	27	956	$1,015 41
48 56	$13 72	29	11	27	882	1,052 28
35 66	.....	29	11	27	981	1,022 32
48 10	.....	29	11	27	990	1,036 43
$166 73	$13 72	.....	.....	.....	3,809	$4,126 44

§ February 6 and 13, extra for cleaning off snow.

TABLE A—Continued..

DISTRICT NO. 4. GEO. F. COOPER, SUPERINTENDENT.	Number loads of garbage collect'd and removed.	Number loads of ashes collected and removed.	Number loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing garbage and ashes.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending July 3.....	365	228	330	$522 00	$468 00
" " " 10.....	335	159	275	522 00	468 00
" " " 17.....	355	183	455	522 00	463 33
" " " 24.....	355	168	362	522 00	453 96
" " " 31.....	372	168	324	522 00	468 00
	1,782	906	1,746	$2610 00	$2,321 29
Week ending August 7....	377	181	384	$522 00	$468 00
" " " 14....	430	166	324	522 00	468 00
" " " 21....	446	181	386	522 00	468 00
" " " 21....	456	174	384	522 00	564 66
" " " 28....					
	1,709	702	1,478	$2088 00	$1,868 66
Week ending Sept. 4.....	458	185	330	$522 00	$468 00
" " " 11.....	463	185	384	522 00	466 33
" " " 18.....	421	184	378	522 00	463 33
" " " 25.....	337	220	444	522 00	468 00
	1,679	774	1,536	$2088 00	$1,865 66
Week ending Oct. 2.....	318	209	386	$522 00	$468 00
" " " 9.....	268	286	396	522 00	468 00
" " " 16.....	262	302	384	522 00	468 00
" " " 23.....	232	443	384	522 00	468 00
" " " 30.....	232	464	378	522 00	468 00
	1,312	1,704	1,928	$2610 00	$2,340 00
Week ending Nov. 6.....	177	512	330	$522 00	$468 00
" " " 13.....	177	520	330	522 00	468 00
" " " 20.....	144	673	384	522 00	468 00
" " " 27.....	136	688	385	522 00	468 00
	634	2,293	1,429	$2088 00	$1,872 00
Week ending Dec. 4.....	118	685	305	$522 00	$461 64
" " " 11.....	112	786	390	522 00	468 00
" " " 18.....	115	880	324	522 00	468 00
" " " 25.....	118	820	275	522 00	468 00
	463	3,171	1,294	$2088 00	$1,865 64

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$42 72	$10 90	29	11	27	923	$1,043 62
31 37	.....	29	11	27	769	1,021 37
32 12	.....	29	11	27	993	1,017 45
27 50	.....	29	11	27	885	1,003 46
34 01	.....	29	11	27	864	1,024 01
$167 72	$10 90	.....			4,434	$5,109 91
$38 16	$9 75	29	11	27	942	$1,037 91
31 13	.....	29	11	27	920	1,021 13
43 11	.....	29	11	27	1,013	1,033 11
35 64	22 43	29	11	27	1,014	1,044 73
$148 04	$32 18	.....			3,889	$4,136 88
$36 50	$15 45	29	11	27	973	$1,041 95
47 40	.....	29	11	27	1,032	1,035 73
42 88	.....	29	11	27	983	1,028 21
24 13	15 52	29	11	27	1,001	1,029 65
$150 91	$30 97	.....	.....	.....	3,989	$4,135 54
$47 73	.....	29	11	27	913	$1,037 73
40 11	.....	29	11	27	950	1,030 11
30 70	.....	29	11	27	948	1,020 70
21 12	$10 20	29	11	27	1,059	1,021 32
26 25	.....	29	11	27	1,074	1,016 25
$165 91	$10 20	.....			4,944	$5,126 11
$35 43	....	29	11	27	1,019	$1,025 43
29 85	.....	29	11	27	1,027	1,019 85
31 97	$11 05	29	11	27	1,201	1,033 02
32 13	.....	29	11	27	1,209	1,022 13
$129 38	$11 05	.....			4,456	$4,100 43
$30 48	....	29	11	27	1,108	$1,014 12
32 45	$11 64	29	11	27	1,288	1,034 09
39 55	10 20	29	11	27	1,319	1,039 75
35 17	19 60	29	11	27	1,213	1,044 77
$137 65	$41 44	.....	.....	.....	4,928	$4,132 73

TABLE A.—Continued.

DISTRICT No. 5. HENRY LANCASTER, SUPERINTENDENT.	Number of loads of garbage collect'd and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending January 6...	81	671	394	$486 00	$456 33
" " " 13...	81	709	399	486 00	452 83
" " " 20...	82	744	415	486 00	467 16
" " " 27...	82	758	399	486 00	459 50
" " " 30...	54	405	190	243 00	247 33
	380	3,287	1,797	$2187 00	$2,083 15
Week ending February 6..	81	737	745	$486 00	$473 50
" " " 6.....	.....	.....	510	.....	358 00
" " " 13..	81	722	912	486 00	488 00
" " " 13.....	.....	.....	1,068	.....	620 33
" " " 20..	81	810	399	486 00	454 50
" " " 27..	81	793	432	486 00	467 66
	324	3,062	4,066	$1944 00	$2,861 99
Week ending March 6.....	81	745	432	$486 00	$476 00
" " " 13.....	81	739	432	486 00	476 00
" " " 20.....	81	768	432	486 00	472 66
" " " 27.....	84	732	432	486 00	474 33
	327	2,984	1,728	$1944 00	$1,898 99
Week ending April 3.....	84	712	487	$486 00	$491 00
" " " 10.....	84	717	420	486 00	423 33
" " " 17.....	84	670	432	486 00	476 00
" " " 24.....	85	677	423	486 00	471 50
	337	2,776	1,762	$1944 00	$1,861 83
Week ending May 1.....	84	661	432	$486 00	$475 17
" " " 8.....	146	606	432	486 00	466 00
" " " 15.....	161	609	456	486 00	484 66
" " " 22.....	160	581	468	483 00	494 00
" " " 29.....	163	581	456	486 00	494 00
	714	3,038	2,244	$2427 00	$2,413 83
Week ending June 5.....	166	564	468	$486 00	$494 00
" " " 12.....	168	523	468	486 00	494 00
" " " 19.....	170	539	468	486 00	494 00
" " " 26.....	173	508	468	486 00	494 00
	677	2,134	1,872	$1944 00	$1,976 00

*January 30 changed ending of week to Saturday.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of Garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$16 93	.....	27	13	26	1,146	$959 26
39 30	.....	27	13	26	1,189	978 13
11 28	.....	27	13	26	1,241	964 44
11 64	.....	27	13	26	1,239	957 14
24 87	$9 03	27	13	26	649	* 524 23
$104 02	$9 03	.....	.....	.....	5,464	$4,383 20
$16 71	.....	27	13	26	1,563	$976 21
.....	$9 90	.....	15	36	510	§ 367 90
.....	.....	27	13	26	1,715	974 00
.....	.....	.....	15	36	1,068	§ 620 33
23 88	45 70	27	13	26	1,290	1,010 08
14 35	10 00	27	13	26	1,306	978 01
$54 94	$65 60	.....	.....	.....	7,452	$4,926 53
$51 23	.....	27	13	26	1,258	$1,013 23
26 84	.....	27	13	26	1,252	988 84
31 69	$10 77	27	13	27	1,281	1,001 12
36 77	29 10	27	13	26	1,248	1,026 20
$146 53	$39 87	.....	.....	.....	5,039	$4,029 39
$42 89	.....	27	13	26	1,283	$1,019 89
22 10	$6 40	27	13	26	1,221	937 83
57 37	.....	27	13	26	1,186	1,019 37
77 25	6 40	27	13	26	1,185	1,041 15
$199 61	$12 80	.....	.....	.....	4,875	$4,018 24
$92 53	.....	27	13	26	1,137	$1,053 70
98 55	$6 40	27	13	25	1,184	1,056 95
71 96	1 00	27	13	26	1,226	1,043 62
94 13	6 40	27	13	26	1,209	1,077 53
119 54	.....	27	13	26	1,200	1,099 54
$476 71	$13 80	.....	.....	.....	5,996	$5,331 34
$88 62	$6 40	27	13	26	1,198	$1,075 02
93 67	.....	27	13	26	1,159	1,073 67
82 65	16 00	27	13	26	1,177	1,078 65
99 70	.....	27	13	26	1,149	1,079 70
$364 64	$22 40	.....	.....	.....	4,683	$4,307 04

§ February 6 and 13, extra, for cleaning off snow.

TABLE A.—Continued.

DISTRICT No. 5. HENRY LANCASTER, SUPERINTENDENT.	Number of loads of garbage collect'd and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending July 3.....	177	482	468	$486 00	$490 66
" " " 10.....	176	466	450	486 00	485 00
" " " 17.....	181	450	432	486 00	489 33
" " " 24.....	189	436	624	486 00	492 33
" " " 31.....	186	425	423	486 00	441 50
	909	2,259	2,397	$2430 00	$2,398 82
Week ending Aug. 7.....	188	425	468	$486 00	$494 00
" " " 14.....	198	400	468	486 00	494 00
" " " 21.....	248	337	390	486 00	494 00
" " " 28.....	250	359	468	486 00	479 00
	884	1,521	1,794	$1944 00	$1,961 00
Week ending Sept. 4.....	250	359	468	$486 00	$494 00
" " " 11.....	250	359	468	486 00	482 33
" " " 18.....	231	369	438	486 00	484 00
" " " 25.....	204	403	468	486 00	489 00
	935	1,490	1,842	$1944 00	$1,949 33
Week ending Oct. 2.....	190	434	468	$486 00	$482 33
" " " 9.....	182	456	468	486 00	489 00
" " " 16.....	179	471	404	486 00	455 50
" " " 23.....	172	471	468	486 00	484 00
" " " 30.....	162	560	468	486 00	489 00
	885	2,395	2,276	$2430 00	$2,399 83
Week ending Nov. 6.....	165	508	468	$486 00	$494 00
" " " 13.....	153	567	468	486 00	489 00
" " " 20.....	161	559	468	486 00	485 66
" " " 27.....	140	604	456	486 00	486 33
	619	2,238	1,860	$1944 00	$1,954 99
Week ending Dec. 4.....	109	662	426	$186 00	$453 00
" " " 11.....	97	660	468	486 00	494 00
" " " 18.....	83	686	390	486 00	415 00
" " " 25.....	81	680	432	486 00	447 66
	370	2,688	1,716	$1944 00	$1,809 66

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$95 69	$6 40	27	13	26	1,127	$1,078 75
94 74	2 15	27	13	26	1,092	1,067 89
83 52	8 73	27	13	26	1,063	1,067 58
59 47	10 00	27	13	26	1,249	1,047 80
86 79	.....	27	13	26	1,034	1,014 29
$420 21	$27 28	.....	.....	.....	5,565	$5,276 31
$83 82	$13 22	27	13	26	1,081	$1,077 04
78 58	.....	27	13	26	1,066	1,058 58
97 47	6 20	27	13	26	975	1,083 67
97 29	15 00	27	13	25	1,077	1,077 29
$357 16	$34 42	.....	.....	.....	4,199	$4,296 58
$111 27	$6 80	27	13	25	1,077	$1,098 07
106 80	.....	27	13	25	1,077	1,075 13
108 26	.....	27	13	25	1,038	1,078 26
72 76	10 20	27	13	26	1,075	1,057 96
$399 09	$17 00	.....	.....	.....	4,267	$4,309 42
$97 71	.....	27	13	25	1,092	$1,066 04
86 72	.....	27	13	26	1,106	1,061 72
63 40	$14 60	27	13	26	1,057	1,019 50
50 99	.....	27	13	26	1,111	1,020 99
49 00	.....	27	13	26	1,190	1,024 00
$347 82	$14 60	.....	.....	.....	5,556	$5,192 25
$45 22	.....	27	13	26	1,141	$1,025 22
28 10	$14 00	27	13	26	1,188	1,017 10
56 94	.....	27	13	26	1,188	1,028 60
75 26	.....	27	13	26	1,200	1,047 59
$205 52	$14 00	.....	.....	.....	4,717	$4,118 51
$27 73	.....	27	13	26	1,197	$966 73
41 95	$13 60	27	13	26	1,225	1,035 55
45 55	.....	27	12	23	1,159	946 55
41 17	.....	27	12	23	1,193	974 83
$156 40	$13 60	.....	.....	.....	4,774	$3,923 66

TABLE A.—Continued.

DISTRICT No. 6. ANDREW M. MARSH, SUPERINTENDENT.	Number of loads of garbage collect'd and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending January 6...	92	1,088	408	$522 00	$457 96
" " " 13...	84	1,086	388	522 00	456 30
" " " 20...	80	1,062	214	522 00	449 46
" " " 27...	78	1,088	372	522 00	444 11
" " " §30...	48	540	187	261 00	236 46
	382	4,864	1,569	$2349 00	$2,044 29
Week ending February 6..	87	1,121	453	$513 00	$393 57
" " " 6.....	.....	.....	375	.....	219 03
" " " 13..	86	1,126	682	522 00	434 61
" " " 13.....	.....	.....	1,160	.....	719 20
" " " 20..	87	1,146	450	522 00	467 97
" " " 27..	87	1,084	421	522 00	463 09
	347	4,477	3,541	$2079 00	$2,697 47
Week ending March 6.....	87	1,062	423	$516 00	$464 94
" " " 13.....	87	957	405	522 00	448 93
" " " 20.....	87	976	337	522 00	390 91
" " " 27.....	87	989	430	522 00	453 93
	348	3,984	1,595	$2082 00	$1,758 71
Week ending April 3.....	87	925	462	$522 00	$467 98
" " " 10	87	872	426	522 00	428 77
" " " 17.....	87	832	425	522 00	466 29
" " " 24.....	87	852	440	522 00	463 48
	348	3,481	1,753	$2088 00	$1,826 52
Week ending May 1.....	87	788	454	$522 00	$467 97
" " " 8.....	169	674	460	522 00	467 98
" " " 15.....	178	574	464	522 00	441 95
" " " 22.....	183	564	442	522 00	463 49
" " " 29.....	183	584	450	522 00	461 30
	800	3,184	2,270	$2610 00	$2,302 69
Week ending June 5.....	183	529	458	$522 00	$467 16
" " " 12.....	192	510	464	516 00	467 14
" " " 19.....	189	472	462	519 00	456 32
" " " 26.....	206	459	418	522 00	449 49
	770	1,970	1,802	$2079 00	$1,840 11

§January 30, Charles F. Marsh, acting as Superintendent.
*January 30, changed ending of week to Saturday.

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$ 6 43	.....	29	11	28	1,588	$ 986 39
34 05	.....	29	11	28	1,558	1,012 35
11 28	.....	29	11	28	1,356	982 74
16 51	67 50	29	11	28	1,538	1,050 12
24 87	.....	29	11	28	775	*522 33
$93 14	$67 50	.....	.....	.....	6,815	$4,553 93
$16 71	$12 80	29	11	28	1,661	$936 08
.....	15 93	.....	17	44	375	§234 96
.....	.....	29	11	28	1,894	956 61
.....	.....	.....	19	48	1,160	§719 20
18 64	5 25	29	11	28	1,683	1,013 86
19 60	.....	29	11	28	1,592	1,004 69
$54 95	$33 98	.....	.....	.....	8,365	$4,865 40
$41 10	.....	29	11	28	1,572	$1,022 04
32 09	$12 80	29	11	28	1,449	1,015 82
29 70	.....	29	11	28	1,400	942 61
36 77	.....	29	11	28	1,506	1,012 70
$139 66	$12 80	.....	.....	.....	5,927	$3,993 17
$30 64	$ 5 10	29	11	28	1,474	$1,025 72
22 10	12 80	29	11	27	1,385	9,865 67
29 37	.....	29	11	27	1,344	1,017 66
50 50	12 80	29	11	28	1,379	1,048 78
$132 61	$30 70	.....	.....	.....	5,582	$4,077 83
$33 53	.....	29	11	27	1,329	$1,023 50
52 91	.....	29	11	27	1,303	1,042 89
21 14	12 80	29	11	27	1,216	997 89
34 49	.....	29	11	27	1,189	1,019 98
56 02	.....	29	11	27	1,217	1,039 32
$198 09	$12 80	.....	.....	.....	6,254	$5,123 58
$24 66	.....	29	11	27	1,170	$1,013 82
43 31	$12 80	29	11	27	1,166	1,039 25
29 66	.....	29	11	27	1,123	1,004 98
38 60	15 45	29	11	27	1,083	1,025 54
$136 23	$28 25	.....	.....	.....	4,542	$4,083 59

§February 6 and 13, extra for cleaning off snow.

TABLE A.—Continued.

DISTRICT No. 6. ANDREW M. MARSH, SUPERINTENDENT.	Number of loads of garbage collected and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending July 3.....	226	453	464	$522 00	$466 33
" " " 10.....	207	384	470	522 00	466 32
" " " 17.....	219	380	444	522 00	466 49
" " " 24.....	231	446	454	522 00	461 81
" " " 31.....	236	360	468	522 00	441 93
	1,119	2,023	2,300	$2610 00	$2,302 88
Week ending August 7....	252	300	436	$522 00	$461 82
" " " 14....	281	319	452	522 00	467 99
" " " 21....	320	301	428	522 00	458 98
" " " 28....	347	296	452	522 00	467 98
	1,200	1,216	1,768	$2088 00	$1,856 77
Week ending Sept. 4.....	364	277	427	$522 00	$457 50
" " " 11.....	385	307	443	522 00	464 98
" " " 18.....	322	303	431	522 00	458 98
" " " 25.....	261	352	448	522 00	468 00
	1,332	1,239	1,749	$2088 00	$1,849 46
Week ending Oct. 2.	239	376	448	$516 00	$467 99
" " " 9.....	207	433	430	522 00	468 00
" " " 16.....	199	426	413	522 00	462 00
" " " 23.	200	448	400	522 00	461 63
" " " 30.....	214	412	421	522 00	461 15
	1,059	2,095	2,112	$2601 00	$2,320 77
Week ending Nov. 6.....	155	560	368	$522 00	$415 27
" " " 13.....	167	568	413	522 00	449 79
" " " 20.....	98	825	430	522 00	467 99
" " " 27.....	88	827	420	513 00	462 46
	508	2,780	1,631	$2079 00	$1,795 51
Week ending Dec. 4.....	83	889	359	$513 00	$414 61
" " " 11.....	93	972	398	522 00	464 99
" " " 18.....	76	954	400	522 00	460 16
" " " 25.....	72	1,054	408	522 00	468 00
	324	3,869	1,565	$2079 00	$1,807 76

TABLE A.—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$42 72	.....	29	11	27	1,143	$1,031 05
26 12	$1 80	29	11	27	1,061	1,016 24
32 12	9 65	29	11	27	1,043	1,030 26
26 50	.....	29	11	27	1,131	1,010 31
28 76	6 50	29	11	27	1,064	999 19
$156 22	$17 95	.....	.....	.....	5,442	$5,087 05
$41 66	.....	29	11	27	988	$1,025 48
38 13	$6 10	29	11	27	1,052	1,034 52
32 61	.....	29	11	27	1,049	1,013 59
40 89	7 60	29	11	27	1,095	1,038 47
$153 29	$14 00	.....	.....	.....	4,184	$4,112 06
$31 25	$6 40	29	11	27	1,068	$1,017 15
38 65	14 85	29	11	27	1,135	1,040 48
44 63	.....	29	11	27	1,056	1,025 61
13 63	.....	29	11	27	1,061	1,003 63
$128 16	$21 25	.....	.....	.....	4,320	$4,086 87
$21 18	.....	29	11	27	1,063	$1,005 47
43 61	$13 60	29	11	27	1,070	1,047 21
35 95	.....	29	11	27	1,038	1,019 95
22 12	.....	29	11	27	1,048	1,005 75
26 25	13 60	29	11	27	1,047	1,023 00
$149 41	$27 20	.....	.....	.....	5,266	$5,101 38
$35 43	.....	27	11	27	1,083	$972 70
33 85	.....	27	11	27	1,148	1,005 64
15 47	.....	27	11	27	1,353	1,005 46
34 66	.....	27	11	27	1,335	1,010 12
$119 41	.....	.....	.....	.....	4,919	$3,993 92
$31 98	$15 60	29	11	27	1,331	$975 19
34 95	.....	29	11	27	1,463	1,021 94
46 30	.....	29	11	27	1,430	1,028 46
35 42	19 98	29	11	27	1,534	1,045 40
$148 65	$35 58	.....	.....	.....	5,758	$4,070 99

TABLE A—Continued.

ANNEX DISTRICT No. 7. ALEXANDER HARRISON, SUPERINTENDENT.	Number of loads of garbage collected and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending Jan. 6.....	62	471	184	$306 00	$216 66
" " " 13.....	62	471	171	306 00	214 50
" " " 20.....	64	488	96	306 00	200 33
" " " 27.....	64	488	174	306 00	208 33
" " " 30.....	37	244	133	153 00	87 82
	289	2,162	758	$1377 00	$927 64
Week ending Feb. 6.....	64	488	231	$306 00	$151 00
" " " 6.....	.....	.....	291	.....	123 95
" " " 13.....	.....	.....	218	.....	114 00
" " " 13.....	64	488	264	306 00	183 83
" " " 20.....	64	491	176	306 00	218 50
" " " 27.....	64	491	152	306 00	180 00
	256	1,958	1,332	$1224 00	$971 28
Week ending March 6.....	64	491	158	$306 00	$195 82
" " " 13.....	64	491	147	306 00	187 33
" " " 20.....	64	491	143	306 00	171 83
" " " 27.....	64	463	107	306 00	201 66
	256	1,936	615	$1224 00	$756 64
Week ending April 3.....	65	418	252	$306 00	$220 00
" " " 10.....	64	439	150	306 00	163 66
" " " 17.....	62	443	204	306 00	220 00
" " " 24.....	62	424	198	306 00	220 00
	253	1,754	804	$1224 00	$823 66
Week ending May 1.....	62	424	229	$306 00	$220 00
" " " 8.....	66	398	162	306 00	201 00
" " " 15.....	77	388	173	306 00	182 50
" " " 22.....	87	312	188	306 00	220 00
" " " 29.....	87	312	203	306 00	213 66
	379	1,776	955	$1530 00	$1,037 16
Week ending June 5.....	115	246	188	$306 00	$216 66
" " " 12.....	111	254	165	306 00	218 33
" " " 19 [1].....	122	231	178	306 00	216 66
" " " 26.....	130	216	182	306 00	215 33
	481	947	713	$1224 00	$866 98

[1] January 30, changed ending of week to Saturday.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$13 31	.....	17	5	13	717	$535 97
39 30	75	17	5	13	704	660 55
11 28	.....	17	5	13	648	517 61
13 26	$12 20	17	5	13	726	539 79
24 87	.....	17	5	13	414	*265 69
$102 02	$12 95	.....	.....	.....	3,209	$2,519 61
$16 71	$1 87	17	5	13	783	$475 50
.....	11 25	.....	6	12	291	§135 20
.....	.....	.....	6	12	218	§114 00
.....	.....	17	5	13	816	489 93
25 21	.....	17	5	13	731	549 70
24 16	9 00	17.	5	13	707	519 16
$66 08	$22 12	.....	.....	.....	3,546	$2,283 48
$47 60	.....	17	5	13	713	$549 42
26 15	.....	17	5	13	702	519 48
28 19	.....	17	5	13	698	506 02
37 02	.....	17	5	13	694	544 68
$138 96	.....	.....	.....	.....	2,807	$2,119 60
$48 64	.....	17	5	13	765	$574 64
18 60	$15 12	17	5	13	653	503 38
31 12	3 50	17	5	13	709	560 62
48 06	.....	17	5	13	684	574 06
$145 42	$18 62	.....	.....	.....	2,811	$2,212 70
$53 03	.....	17	5	13	715	$579 03
47 66	.....	17	5	13	618	554 66
5 32	.....	17	5	13	588	493 82
48 49	.....	17	5	13	587	574 49
47 27	.....	17	5	13	602	566 93
$201 77	.....	.....	.....	.....	3,110	$2,768 93
$21 16	.....	17	5	13	549	$543 82
48 31	.....	17	5	13	533	572 64
23 41	.....	17	5	13	531	546 07
46 35	.....	17	5	13	528	567 68
$139 23	.....	.....	.....	.....	2,141	$2,230 21

§ February 6 and 13, extra for cleaning off snow.

TABLE A.—ANNEX—Continued.

ANNEX DISTRICT No. 7. ALEXANDER HARRISON, SUPERINTENDENT.	Number of loads of garbage collect'd and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending July 3.....	130	216	197	$306 00	$215 00
" " " 10.....	138	207	132	306 00	210 00
" " " 17.....	156	189	145	306 00	215 00
" " " 24.....	156	189	247	306 00	216 83
" " " 31.....	192	173	134	324 00	148 05
	772	974	855	$1548 00	$1,004 83
Week ending August 7....	192	173	176	$324 00	$218 33
" " " 14....	233	148	220	360 00	248 00
" " " 21....	242	144	200	360 00	247 16
" " " 28....	247	141	208	360 00	244 66
	914	606	804	$1404 00	$958 15
Week ending Sept. 4.....	247	141	225	$360 00	$238 83
" " " 11.....	243	148	233	360 00	253 66
" " " 18.....	245	153	238	360 00	260 50
" " " 25.....	238	163	172	360 00	219 16
	973	605	868	$1440 00	$972 15
Week ending Oct. 2.....	229	185	213	$360 00	$264 33
" " " 9.....	206	201	207	360 00	257 66
" " " 16.....	181	231	191	360 00	221 66
" " " 23.....	181	231	185	360 00	255 00
" " " 30.....	166	253	177	360 00	223 33
	963	1,101	973	$1800 00	$1,221 98
Week ending Nov. 6.....	146	306	160	$360 00	$216 26
" " " 13.....	140	322	166	354 00	230 33
" " " 20.....	116	406	208	360 00	262 66
" " " 27.....	105	433	173	360 00	256 66
	507	1,467	707	$1434 00	$965 91
Week ending Dec. 4.....	89	455	182	$360 00	$120 00
" " " 11.....	87	467	209	360 00	273 50
" " " 18.....	88	462	196	360 00	263 66
" " " 25.....	88	462	151	360 00	269 66
	352	1,846	738	$1440 00	$926 82

TABLE A.—ANNEX—Continued.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$39 22	$12 80	17	5	13	543	$573 02
29 62	.....	17	5	13	477	545 62
28 62	.....	17	5	13	490	549 62
14 25	1 80	17	5	13	592	538 88
28 76	.....	18	5	13	499	500 76
$140 47	$14 60	.....	.....	.....	2,601	$2,707 90
$38 16	.....	18	5	13	541	$580 49
17 13	.....	20	6	14	601	625 13
44 86	.....	20	6	14	586	652 02
33 89	.....	20	6	14	596	638 55
$134 04	.....	.....	.....	.....	2,324	$2,496 19
$44 00	.....	20	6	14	613	$642 83
49 15	$17 00	20	7	14	624	679 81
37 13	.....	20	7	14	636	657 63
15 38	.....	20	7	14	573	594 54
$145 66	$17 00	.....	.....	.....	2,446	$2,574 81
$49 48	.....	20	7	14	627	$673 81
38 36	.....	20	7	14	614	656 02
34 20	75	20	7	14	603	616 61
13 62	.....	20	7	14	597	628 62
28 00	.....	20	7	14	596	611 33
$163 66	75	.....	.....	.....	3,037	$3,186 39
$35 43	.....	20	7	14	612	$611 69
33 35	$31 78	20	7	14	628	649 46
38 28	.....	20	7	14	730	660 94
32 38	.....	20	7	14	711	649 04
$139 44	$31 78	.....	.....	.....	2,681	$2,571 13
$29 48	$1 00	20	7	15	726	$510 48
43 45	.....	20	7	15	763	676 95
49 80	.....	20	7	15	746	673 46
29 92	.....	20	7	15	701	659 58
$152 65	$1 00	.....	.....	.....	2,936	$2,520 47

TABLE A.—Concluded.

This is the eastern portion of Second District, to be known as District No. 8.

DISTRICT No. 8. WM. G. HARRYMAN, ACTING SUPERINTENDENT.	Number of loads of garbage collected and removed.	Number of loads of ashes collected and removed.	Number of loads of street dirt, sand, snow, etc., collected and removed.	Cost of collecting and removing ashes and garbage.	Cost of collecting and removing street dirt, sand, snow, etc.
Week ending Dec. 18.....	72	1,017	287	$504 00	$309 09
" " " 25.....	47	992	252	504 00	324 00
	119	2,009	539	$1008 00	$633 09

TABLE A.—Concluded.

This is the eastern portion of Second District, to be known as District No. 8.

Amount expended for sweeping machines, sprinklers, and repairs.	Amount expended for tools, etc.	Number of garbage carts and men employed.	Number of street carts and men employed.	Number of scrapers and sweepers employed.	Total number of loads of all kinds removed.	Total amount expended.
$42 80	.....	28	9	18	1,376	$855 89
.....	.....	.....	.....	.....	1,291	828 89
$42 80	.....	.....	.....	.....	2,667	$1,683 89

TABLE B.

SHOWING THE WORK DONE AND THE RUNNING EXPENSES DECEMBER

DISTRICTS.	Number loads of garbage removed.	Number loads of ashes removed.	Number loads of street dirt, sand, ice and snow removed.	Total number loads of all kinds removed.	Cost for removal of garbage and ashes.
First	9,881	14,868	18,305	43,054	$19,464 00
Second	7,503	35,770	24,760	68,033	25,170 00
Third	3,373	17,198	30,597	51,168	14,973 00
Fourth	11,957	25,664	21,107	58,728	26,874 00
Fifth	7,361	29,872	25,354	62,587	25,026 00
Sixth	8,537	35,182	23,655	67,374	26,835 00
Seventh	6,395	17,132	10,122	33,649	16,869 00
Eighth	119	2,009	539	2,667	1,008 00
	55,126	177,695	154,439	387,260	$156,219 00

* The Second District up to December 13, 1897, employed 28 garbage carts and men, 11 street carts and men, and 25 sweepers and scrapers, and on this date about one-third of the district was changed into a colored district, as far as the cleaning of the streets was concerned.

TABLE B.

OF EACH SEPARATE DISTRICT FROM JANUARY 1ST, 1897, TO 31ST, 1897.

Cost for removal of street dirt, sand, ice, snow, etc.	Cost for sweeping machines and sprinklers.	Cost for tools and repairs.	Number garbage carts employed.	Number street carts employed.	Number sweepers and scrapers employed.	Total amount of expenditures for the year.
$25,823 38	$1,857 41	$329 83	21	10	30	$47,415 60
23,595 31	1,637 65	364 27	.....	6	17	50,696 41*
34,852 70	4,590 99	531 46	16	21	30	54,800 73
25,625 51	1,769 16	399 92	29	11	27	54,532 57
25,569 22	3,232 65	284 40	27	12	23	54,112 47
24,402 94	1,609 82	302 01	29	11	27	53,150 77
11,433 20	1,669 40	118 82	20	7	15	30,191 42
633 09	42 80	.....	28	9	18	1,683 89§
$171,935 35	$16,409 88	$2,330 71	170	87	187	$346,583 86

§ The Eighth District has only been in existence since December 13, 1897. It comprises about two-thirds of the territory of the old Second District, but the collection of garbage and ashes for both the Second and Eighth Districts is under the control and supervision of the Superintendent of the Eighth District, and credited to that district.

TABLE C.

Report of the Work Done, Including all Expenditures, in the Street Cleaning Department, for each month of the Year Ending December 31, 1897, also Amount of Receipts from the Sales of Refuse, etc.

1897.	Total Number of Loads of Garbage Removed.	Total Number of Loads of Ashes Removed.	Total Number of Loads of Street Dirt, Sand, Ice, Snow, etc., Removed.	Cost of Collecting and Removing Garbage.	Cost of Collecting and Removing Street Dirt, Sand, Ice, Snow, etc.	Expended for Dumps.	Contingent Fund.
January	2,424	22,388	14,178	$13,920 00	$15,022 58	$197 00	.....
February	2,040	20,193	26,792	12,009 00	18,581 59	206 75	.....
March	2,118	18,894	12,307	12,018 00	12,685 89	200 50	.....
April	2,356	17,413	10,972	12,024 00	12,834 83	197 00	.....
May	4,943	17,090	13,024	15,027 00	15,993 07	236 50	.....
June	5,318	10,514	10,489	12,003 00	12,899 89	197 75	.....
July	7,408	11,210	13,111	15,048 00	15,909 97	197 00	$30 75
August	7,694	7,240	10,521	12,204 00	12,951 69	197 00	28 90
September	8,000	7,263	10,359	12,222 00	12,918 59	205 00	204 15
October	6,836	12,597	13,017	15,291 00	16,233 38	199 40	70 81
November	3,591	14,274	10,173	12,225 00	12,817 79	197 60	41 15
December	2,398	18,619	49,496	12,228 00	13,249 80	200 00	48 80
Totals	55,126	177,695	154,439	$156,219 00	$172,099 07	$2,431 50	$424 86

TABLE C.—Concluded.

1897.	Cost of Sweeping Machines, Sprinklers, Repairs, etc.	Salaries.	Cost of Tools, Repairs, etc.	Paid to the Contractors for the Removal of Garbage.	Number of Men and Carts Employed.			Total Number of Loads of all Kinds Removed.	Total Amount of all the Expenditures.	Total Amounts of Monies Received and Paid to the Comptroller.
					Garbage Carts.	Street Carts.	Sweepers and Scrapers.			
January....	$1,009 77	$785 21	$289 50	$4,700 00	167	83	180	38,990	$35,924 06	$47 00
February...	757 84	833 30	465 70	.....	167	83	180	49,025	32,854 18	.....
March.....	1,393 93	833 40	195 03	.....	167	83	180	33,319	27,326 75	65 50
April.....	1,809 35	802 21	189 49	2,350 00	167	83	180	30,741	30,206 88	80 00
May.....	1,756 09	797 29	166 91	.....	167	82	176	35,057	33,976 86	276 50
June.....	1,985 68	833 30	136 60	2,350 00	167	82	178	26,321	30,406 22	17 00
July	1,820 48	833 30	165 59	.....	168	82	178	31,729	34,005 09	55 00
August.....	1,895 07	833 40	175 40	.....	170	83	179	25,455	28,285 46	40 00
September .	2,012 09	833 30	159 97	.....	170	84	179	25,622	28,555 40	55 00
October....	1,703 43	833 30	234 27	1,225 00	170	84	179	32,450	35,790 59	45 75
November ..	1,409 33	833 40	248 92	.....	170	84	179	28,038	27,773 19	289 00
December ..	1,456 69	833 30	129 63	1,225 00	170	87	187	30,513	29,371 22	36 70
Totals...	$19,009 75	$9,884 71	$2,557 01	$11,850 00	.....	.....	.....	387,260	$374,475 90	$1,007 45

N. B.—In February there was employed an extra force to clean the snow and ice from the streets, consisting of 112 carts and men and 250 sweepers and scrapers.

TABLE D.

Financial Statement of the Street Cleaning Department Appropriation from Jan. 1, 1897, to Dec. 31, 1897.

	Amounts of Appropriations.	Revenue from the Sale of Refuse, etc.	Expenditures for the Twelve Months Ending December 31, 1897.	Debit Balances December 31, 1897.	Credit Balances December 31, 1897.
Garbage carts and men	$141,336 00	.....	$139,350 00	.....	$1,986 00
Street carts and men	75,678 00	.....	73,143 00	.....	2,535 00
Sweepers and scrapers	91,631 05	.....	87,375 47	.....	4,255 58
Salaries	9,000 00	.....	8,884 71	.....	115 29
Sweeping machines, sprinklers, hire of horses, etc	15,000 00	.....	19,009 75	$4,009 75	.....
Dumps	2,400 00	.....	2,431 50	31 50	.....
Contingent Fund	400 00	.....	424 86	24 86	.....
Tools, repairs, etc	2,492 00	.....	2,443 95	.....	48 05
Contract for removal of garbage	11,850 00	.....	11,850 00	.....	.....
Garbage carts and men, Annex	18,720 00	.....	16,869 00	.....	1,851 00
Street carts and men, Annex	9,360 00	.....	4,995 00	.....	4,365 00
Sweepers and scrapers, Annex	10,400 00	.....	6,585 60	.....	3,814 40
Salary of superintendent, Annex	1,000 00	.....	1,000 00	.....	.....
Tools, Annex	125 00	.....	113 06	.....	11 94
Sale of refuse, etc	.....	$1,007 45	.....	.....	1,007 45
Total	$389,392 05	$1,007 45	$374,475 90	$4,066 11	$19,989 71

On October 13, 1897, the Mayor approved a resolution passed by the City Council, authorizing the Commissioner of Street Cleaning to use the surplus from one or more branches of the Street Cleaning Department to cover the deficiences in one or more other branches. This accounts for the debit balances in the several branches on the above table.

Total amount of appropriation for the year 1897	$389,392 05
Total amount of appropriation expended during 1897	374,475 90
Unexpended balance	$14,916 15
Revenue from sale of refuse, etc	1,007 45
Total amount transferred to city treasury	$15,923 60

TABLE E.

Recapitulation.

Total number of loads of garbage collected and removed from January 1 to December 31, 1897	55,126	
Total number of loads of ashes collected and removed from January 1 to December 31, 1897	177,695	
Total number of loads of street dirt, sand, ice and snow removed from January 1 to December 31, 1897	154,439	
Total number of loads of all kinds collected and removed from January 1 to December 31, 1897		387,260
Total amount paid for collecting and removing garbage and ashes from January 1 to December 31, 1897	$156,219	00
Total amount paid for collecting and removing street dirt, sand, snow, etc., from January 1 to December 31, 1897	172,099	07
Tatal amounts paid for Dumps Nos. 1, 2, 3 and 4 from January 1 to December 31, 1897	2,431	50
Total amount paid for Contingent Fund from January 1 to December 31, 1897	424	86
Total amount paid for salaries from January 1 to December 31, 1897	9,884	71
Total amount paid for sweeping machines, sprinklers, hire of horses, etc., from Jannary 1 to December 31, 1897	19,009	75
Total amount paid for tools, repairs, etc., from January 1 to December 31, 1897	2,557	01
Total amount paid to contractors for the removal of garbage on scows from the various dumps during the year.	11,850	00
Total amount paid out during the year from January 1 to December 31, 1897		$374,475 90
Total amount of money received from the sale of refuse during the year		$1,007 45
Total number of garbage cart drivers in the employ of this department	170	
Total number of street cart drivers in the employ of this department	87	
Total number of street sweepers and scrapers in the employ of this department	187	
Total number of carters, sweepers and scrapers		444

TABLE F.

Showing Disbursements for the Year Ending December 31, 1897, Not Including City Annex.

Total amount expended for collecting and removing garbage and ashes from January 1 to December 31, 1897	$139,350 00
Total amount expended for street carts and men from January 1 to December 31, 1897	73,143 00
Total amount expended for sweepers and scrapers from January 1 to December 31, 1897	87,375 47
Total amount expended for salaries from January 1 to December 31, 1897	8,884 71
Total amount expended for sweeping machines, sprinklers, etc., from January 1 to December 31, 1897	19,009 75
Total amount expended for dumps from January 1 to December 31, 1897	2,431 50
Total amount expended for Contingent Fund from January 1 to December 31, 1897	424 86
Total amount expended for tools, repairs, etc., from January 1 to December 31, 1897	2,443 95
Total amount expended for removal of garbage as per contract from January 1 to December 31, 1897	11,850 00
Total	$344,913 24
Amount of appropriation for the year 1897	$349,787 05
Amount of appropriation expended from January 1 to December 31, 1897	344,913 24
Total unexpended balance	$4,873 81

TABLE G.

Showing Disbursements in the City Annex for the Year Ending December 31, 1897.

Total amount expended for collecting and removing garbage and ashes from January 1 to December 31, 1897....	$16,869 00
Total amount expended for collecting and removing street dirt, sand, snow, etc., from January 1 to December 31, 1897	4,995 00
Total amount expended for sweepers and scrapers from January 1 to December 31, 1897	6,585 60
Total amount expended for salary of superintendent from January 1 to December 31, 1897	1,000 00
Total amount expended for tools from January 1, to December 31, 1897	113 06
Total	$29,562 66
Total amount of appropriation for the City Annex for the year 1897	$39,605 00
Total amount of appropriation expended from January 1 to December 31, 1897	29,562 66
Total unexpended balance	$10,042 34

TABLE H.

Showing the amount of Animal and Vegetable Garbage delivered to Contractors at Dumps Nos. 1, 2 and 3.

1897. Months.	Dump No. 1, Caroline Street.	Number of Loads.	Dumps Nos. 2 and 3, Winan's Cove and Ranstead's Wharf.	Number of Loads.	Totals.
January	Geo. F. Allen, Superintendent	817	Patrick Glynn, Superintendent	1,183	2,000
February	" " "	926	" " "	818	1,744
March	" " "	874	" " "	1,177	2,051
April	" " "	973	" " "	1,448	2,421
May	" " "	1,925	" " "	3,136	5,061
June	" " "	2,048	" " "	2,925	4,973
July	" " "	2,901	" " "	4,266	7,169
August	" " "	3,208	" " "	4,258	7,466
September	" " "	3,238	" " "	4,387	7,625
October	" " "	2,595	" " "	3,557	6,152
November	" " "	1,383	" " "	1,625	3,008
December	" " "	1,079	Wm. G. Hoffman, "	1,195	2,274
Total		21,967		29,977	51,944

TABLE I.

Number of Dead Animals, etc., Removed in the Eastern and Western Districts from January 1 to December 31, 1897.

	Eastern District.	Western District.	Totals.
Dogs	2,737	2,320	5,057
Cats	4,389	4,771	9,160
Rats	613	524	1,137
Fowls	324	743	1,067
Goats	32	19	51
Sheep	11	6	17
Fish	284	621	905
Crabs	619	112	731
Decayed Meat (pounds)	23	42	65

Total number of dead animals removed.....15,422
Total number of dead fowls removed..... 1,067
Total nvmber of dead fish and crabs removed..... 1,636
Total number of pounds of decayed meat removed.. 65

38th ANNUAL REPORT

—OF THE—

Public Park Commission

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

THE PUBLIC PARK COMMISSION

—— OF THE ——

CITY OF BALTIMORE, MD.

HON. WILLIAM T. MALSTER, MAYOR,
Chairman ex-officio.

GEN. JOHN S. BERRY,
Secretary.

DAVID L. BARTLETT.

GERMAN H. HUNT.

JOHN C. FROEHLICH.

DOUGLAS H. THOMAS.

GEORGE R. WILLIS.

REPORT OF THE PUBLIC PARK COMMISSION.

BALTIMORE, December 31, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In accordance with Section 5 of Ordinance No. 60, "providing for a public park or parks, approved July 21, 1860, we beg respectfully to submit a brief summary of what has been done in the public parks of Baltimore during the year 1897:

DRUID HILL PARK.

Much has been done during the year just closed in the improvement of footways and drives. The footway, known as the Clipper Path, leading from the Druid Hill avenue entrance to a point opposite the Clipper Mills on the falls, has been completely paved with Jones' Falls blue stone to the infinite comfort of the numerous work people who use it to and from their work at the mills. The footway from Edmunds' Well to the music pavilion has been reconstructed, also the footway from Council Grove Station to the Sea Lion Pond. At Crise's Fountain and Edmunds' Well the approaches have been paved with brick. Nearly half a mile of driveway, from Silver Spring to Garrett Bridge, has been entirely rebuilt. The drive past the repair shop has been rebuilt. Many improvements in drainage have been made in connection with the above works. The new tennis courts, finished in 1896, were thrown open as soon as possible in the spring and have been in constant use during the year. The supply of cool drinking water has been more than doubled during the year by the sinking of three new wells and cleaning out of a fourth; these have all been supplied with pumps and are in constant use. Two new fountains have also been set up and supplied with city water. All buildings have been kept in good order.

The lighting of the park has also been improved by the addition of sixteen arcs and four incandescent lamps. One severe storm visited Druid Hill, on July 17, doing much damage to trees. Some absolutely needed repairs have been put upon Green Spring avenue during the year, but no new work undertaken.

PATTERSON PARK.

The new gateway on Baltimore street was completed in the spring and opened to the public. The main drive on the Extension was opened to public use in May and completes the circuit of the entire property. Several paths were reconstructed and two new ones made. On May 31 the Casino was vacated by the lessee and the house closed. The work on the Extension was ordered closed on September 18 for the winter; the grading is nearly completed and a large amount of soiling, sodding and seeding has been finished.

Six new arc lights have been added during the year, four on the Extension and two in the old park. All the property has been kept in good repair.

FEDERAL HILL, RIVERSIDE AND JOHNSTON PARKS.

There is nothing of importance to call attention to in connection with these parks, they have been kept in good order and have furnished their full share of pleasures to the public. In the case of Riverside, the grading and paving of Covington street made it necessary to reconstruct the eastern boundary of the Park to meet the grade of the street; this was successfully done and the drainage provided for.

MT. ROYAL TERRACES.

There is nothing new to note of this park; it has been well cared for, and attractive.

COLLINGTON PARK.

In October this park was completed, with the exception of surfacing the walks and making the entrances, which latter work cannot well be done until the street sidewalks are paved.

CARROLL PARK.

This park is rapidiy improving in appearance every year through the rapid growth of trees and shrubs, nearly all of which have been set out since the beginning of 1892, so that the northwestern section of the park is fast losing its bare and desolate appearance.

The extension is being filled in and completed by degrees, and the construction of 340 lineal feet of the sewer has permitted all the surface east of the main pathway, from Columbia avenue north, to be finished, soiled and seeded. The boundary trees have been planted all around and a hedge on the south and east. The public are resorting more and more to Carroll Park each year.

CLIFTON PARK.

This year has witnessed many improvements at Clifton in the way of bringing up the condition of the property to the desired standard. All buildings have been finally repaired and painted. The gateways have all been re-established by the erection of substantial gates. One new and much-needed drive has been built. The improvement on the extensive garden premises has, perhaps, been greater than elsewhere and has made the place very attractive to visitors. The farming operations have been intelligently and actively conducted, and, with propitious weather, an excellent crop has been harvested.

BOLTON PARK.

This property, having been completed by the Baltimore Belt Railroad Company, was accepted by the Commission at the December meeting; it is kept in order by the Mt. Royal Terrace force.

For details in regard to the above-named parks you are respectfully referred to the report of the General Superintendent and Engineer, and for financial matters to the report of the Treasurer.

Report of the General Superintendent and Engineer of Public Parks.

For the Year Ending December 31, 1897.

This year opened very much like 1896 as to the temperature conditions. In January, 1896, the highest registered temperature was 56°, the lowest 5°. In 1897 the highest January record was 50°, the lowest 4°. In January, 1896, the snow fall was only 2 inches; in January, 1897, 7 inches. Rain fell on two days in January of each year.

The usual routine was kept up in all the parks until the opening of spring enabled us to resume more active operations, as recorded below.

Druid Hill Park.

(671.21 *Acres*).

ENTRANCES.

No special work has been done at or around the Park entrances during the past year except in the case of the Mt. Royal avenue entrance. The marble work of the gateway was thoroughly cleaned and the iron gates painted during August.

DRIVEWAYS.

In addition to the ordinary repairs to driveways, which are constantly going on when the weather permits, the following driveways were ordered reconstructed:

1. The Beechtree Road. Work was begun about May 1. The old road had a width of from 18 to 20 feet, with a very bad summit, combined with a sharp bend, and pitched outward for its entire length. The width was increased to 25 feet where straight

and 27 feet in the bend; the summit was lowered one foot, and the entire roadway, with the exception of the Silver Spring end, where the road had a double slope, given one inward pitch of eight (8) inches to the gutter. This work was graded for the reception of metal during the month of May and involved the removal of a large amount of material from the slopes, etc., which was used in widening the road to the Garrett bridge. The Beechtree road was never entirely closed to the public during reconstruction. It was guttered, drained, metalled and finished in every respect by June 26.

2. The Crow's Nest Road. This work had gone on to a certain extent conjointly with the Beechtree, being really a continuation of it. The curves were softened, grades regulated and road widened from 18 feet to 25 and 27 feet. It was given the same inward pitch of eight (8) inches to the gutter, and completed in July. These two roads have a total length of 2,250 lineal feet, reaching from Silver Spring to the Morris Fountain, and represent an important and much valued improvement.

3. The reconstruction of Drive No 1 at the Repair Shop. This was necessitated by the reconstruction and paving of the Clipper Path, which borders this driveway. The road was regraded, widened, drained and remetalled, also its connections with adjoining roads were benefitted. The length rebuilt was about 1,000 lineal feet.

4. The Pimlico driveway in front of the Palm House was entirely resurfaced for a length of 325 lineal feet; most of the material used was refuse from the paving of the Clipper Path. It was surfaced with blue limestone and completed October 7. There have been completely *reconstructed* during the past season, including junctions with adjoining driveways, about 3,800 lineal feet of main avenues; the collateral work attached to these improvements has been extensive in the way of better drainage, etc.

FOOTWAYS.

The Clipper Path.—This footway is by far the most traveled in Druid Hill Park, extending from Druid Hill avenue entrance to

the Clipper Gate, serving a direct route to the mill for employes. It was decided early in the year by the Commission that it should be paved and was so ordered; the character of pavement selected was mosaic made with Jones' Falls gneiss flags, three to five inches thick, laid on six inches of sand, stones irregular in size and outline, but fitted together and jointed with Portland cement mortar. This work was begun on May 10 and finished in July, excepting the repair shop crossing. The Commission furnished all material and graded the bed of the pathway. Just before its completion, on July 17, came the severe storm which did so much damage in the park. The unfinished portion was between the repair shop and the Clipper Gate, and being still unguttered the sand was washed out in spots and a portion had to be relaid; with this exception the footway met with no mishap during construction, and is as solid and durable a piece of work as could well be done. The total length of this footway is 3,839 lineal feet, with a surface measurement of 2,343 square yards. It has proved eminently useful, and like all improvements of the kind, has led to bettering many related matters, such as drain-pipes, culverts, crossings, etc. On August 17 the crossing flags were laid at the repair shop, which completed the work in every respect.

Footway to Sea Lion Pond from Council Grove Station.—This footway had not been thoroughly repaired for years; the work was done in the month of August, being regraded and guttered with proper inlets, drains, etc., in addition to which a counter ditch on the hillside was constructed to divert storm water. Length of footway, 1,474 lineal feet.

Footway from Edmunds' Well to Music Pavilion.—This work was executed in September, and like the last work described was a thorough reconstruction, with gutter inlets and pipe drains; total length rebuilt, 2,050 lineal feet. The three above-named footways aggregate 7,363 lineal feet, and are permanent improvements.

At Crise's Fountain.—The footways concentrating at this fountain, and the little plaza in front, were paved to the extent of 252.8 square yards with brick.

At Edmunds' Well.—The same method was pursued here, and 281.5 square yards of brick pavement were laid. The large num-

ber of visitors to these fountains and the steep approaches made it necessary to pave around them, in the interest of cleanliness, convenience and the preservation of the surface.

CYCLE TRACKS

No new tracks were made during the year, but conveniences were erected in the shape of rests. Three hundred and eight stone rests were planted and 147 lineal feet of wooden sills put in place. There was also a retreat or resting point for cyclers, constructed at the Tower, on the Druid Lake embankment, which is a very great convenience, and is much used. The cycle tracks previously built have been kept in excellent order, and are well furnished with seats. Seats have also been placed on the east road at the intersection of Drive No. 1.

BRIDLE PATHS.

No extension of bridle paths has taken place; they have been kept in order, but wheeling for the past year or two has much reduced the number of equestrians. 5,000 lineal feet have been overhauled during the year.

DRAINAGE.

The construction and improvement of drainage has been mainly in connection with the reconstruction of the driveways and footways named above; of course the rebuilding of roads and paths as permanent improvements leads to much related work of which the drainage is perhaps the most important necessary, as it is to their preservation from the effect of heavy rains. The following is a list of the work executed in this line:

Terra cotta pipe laid, from 1" to 15" diameter	1,602	lin. ft.
Stone gutters laid, new	5,031	"
Brick gutters laid, new	1,874	"
Brick gutters relaid, old	369	"
Stone inlets built, new	2	
Brick inlets built, new	24	

BUILDINGS.

No new buildings were erected during the year. Plans for an eagle cage were made at the request of the Commission, but the cost was prohibitory and it was abandoned for the present. Both the stone house and mansion have been relet during the year, after being put in repair, and are now occupied. All buildings, houses and shelters have been kept in good condition and painted when necessary. The frame carriage shelter at the stone house was removed.

MASONRY.

A good deal of masonry in small pieces has been laid in connection with the various improvements of the year; numerous head walls to drain pipes, stone inlets, etc. New retaining walls were built in the Boat Lake Valley where the Clipper Path crosses the stream, including the bridge abutments. The stone work at the mouth of the stream from Spring Lake by the Clipper Gate had to be rebuilt in part and support walls constructed, also several dams across the stream higher up This stream is very violent in floods and requires constant looking after. The storm of July made it apparent that a support wall, next the newly paved footway was needed for its protection. In connection with the new Clipper Path and the road improvements around the repair shop, it was decided to move the spring fountain back of the repair shop to a position in the bend of the road where it would be more accessible. The masonry was taken down and rebuilt on the new position, wing walls were added and the water brought to its new outlet. The change has been appreciated by the public and adds much to the looks of the spot.

FENCES.

Exterior Fences.—1,851 lineal feet of fencing has been rebuilt or repaired during the year along the N. C. R. W. and at Prospect Hill. A good deal of new material was used in the work, as the old posts and pickets were much decayed. This puts our external fences in good condition with the exception of Woodberry lane, which will be repaired as soon as the Baltimore and Northern Railway finishes its track, which adjoins our boundary.

Interior Fences.—We have rebuilt 1,881 lineal feet of heavy guard rail around the Boat Lake, and at the junction of the Beech-tree and Crow's Nest roads, etc. On April 3d, by order of the "Committee on Improvements," west, most of the guard rail fences and all wire guards around evergreens were removed.

PAINTING.

Our painters have been kept actively at work during the year. The Mt. Royal, Madison avenue, Western, Pimlico and Green Spring avenue entrance gates, Music Pavilion, Council Grove Pavilion, Animal Cages, Propagating House, Stone House, exterior woodwork, six closet buildings, Mt. Royal Gate House, Morris Fountain, 1,600 lineal feet of railing, 67 electric light poles, 410 benches, 462 hurdles, and many other items too numerous to mention in detail have been painted. Of course, the weather often interferes with this class of work, and a good deal of time is not made by the painters, as we have not much inside work.

GARDENING.

This important department has been faithfully administered during the year. The amount of labor involved in caring for hundreds of young trees, the extensive flower beds and hedges on Latrobe avenue, the nursery work, as well as the Palm House and Propagating House duties keep our gardening force very busy. The work done is not showy except in the flower beds of Latrobe avenue and at the Palm House, but if it were remitted for a few months our young plantations would soon suffer. Worming, trimming, boxing or lathing young trees is constantly going on, and this work must continue as long as the deer are at large. We have set out during the year 105 deciduous trees and 43 evergreens, some to fill blanks. A number of elm trees along Latrobe avenue have been banded with wire to prevent splitting at the main forks, which has caused much damage heretofore in wind storms. 4,000 privet cuttings for hedges have been set in the Nursery. Quite a crop of sunflower seed was raised for bird food. All dead trees were replaced this fall, either from the

woods or the Nursery stock. The product of the Propagating House this year was 33,214 bedding plants. Of those, 22,375 were used at Druid Hill, and 10,839 sent to other parks. At this date the shelves and benches are full of healthy plants for the summer of 1898. In the fall of 1896 we set out 22,000 bulbs, the largest number ever planted at Druid Hill. These bloomed handsomely in the spring of this year, and have been replanted this autumn as far as they were fit. The blooms of 1898 will not equal those of 1897, but we hope for fair results. After this season the bulbs will be useless. The Palm House has been well cared for and is in good order.

Total number of visitors during the year, 22,247.

Tons of coal used in Palm House	71.80
Tons of coal used in the Propagating House	15.80
Tons of coal used at other points	96.40
Total ordered	184.00

On hand (unconsumed) December 31, 1897, 72 tons.

The gardening department also attended to the Liberty street triangle during the year.

SUNDRIES.

The Quarry.—We have taken out and used during the past year about 2,500 cubic yards of rotten rock for resurfacing and mending roads and paths. The force employed has ranged from 10 to 15 men; less than 10 is not economical. The quarry has been worked on a defined plan and is now in excellent shape for future operations. The rock is now all good in quality, the soft black veins having disappeared; the front is co-extensive with the space between the woods and the fence. The plan is, when the present level is exhausted, to drop down the hill about 6 or 8 feet, and take up a new layer. As the quarry can be profitably worked in all but falling weather, it is our habit to make it a winter job to prepare rock for use in the spring.

The Boat Lake.—The experiment with lime on the marine grass in this lake has been to a great extent entirely successful. A few bunches made their appearance during the summer, but were readily destroyed, and with a little care it would seem that we can

escape the plague unless it is reintroduced. In so large an area as the Boat Lake probably a few plants escaped the lime, but wherever it came in contact with them it destroyed them. It will probably be necessary to extend the quick lime treatment to all the ponds in the park if we are to eradicate the evil.

Paving.—But little paving was laid during the year—128 square yards of pebbles, and the brick paving laid at Crise's Fountain and Edmunds' Well, 534 square yards, as mentioned under the head of footways, constitute all.

Repairs to Buildings.—The kitchen floor at the Mansion has been relaid and the steps from the kitchen to the first floor renewed. Slight repairs were made at the Stone House. The front section of plant benches in the Palm House were replaced with slate slabs, as the feet and frames are iron. This makes the whole affair indestructible, and I would recommend its extension to all the plant benches as the slatted tops decay. The plants are also much better protected from the heat of the pipes below. The first repairs ever put on the hot water apparatus in the Palm House occurred in October, when a crack took place in a cast-cap at the dead end of a pipe. It was a small affair and soon replaced. This apparatus was erected in 1888.

Maryland Building.—No additions have been made to the collection in this building during the year; it has been kept in excellent order and constitutes one of the attractions to the park; the birds especially are very interesting and well arranged.

The Zoo.—This remains about the same. We have had some losses, but generally receive enough to keep up the show. The monkeys remain healthy, as we only take the hardier varieties now. The coon pit and rabbit and prairie dog shelter are successes. There will have to be a new pavement laid next season around the monkey house. To prevent the escape of the young bear who managed to scale the pickets of the den on several occasions, the pickets were projected inward at right angles three feet; this stopped the climbing. I regret to say, however, that the same young bear in attempting to climb the centre pole fell to the floor of the pit and never recovered from the shock; he died shortly afterwards.

Sea Lions.—These animals, purchased by the Commission in May, 1896, all continued in good health until December 20th, 8 A. M., when one of the females died, possibly through persecution. The body was much scarred, but no serious external injury was apparent. They have continued to be as attractive as ever, and would be sadly missed by the public. Plans and estimates were made during the year, at the request of your Honorable Secretary, for extending the quarters of the Sea Lions by the inclusion of Pond No. 3, with a rocky island in its midst. This, with a corresponding extension of the carriage concourse to the eastward around the Crow's Nest, would make a grand improvement worth consideration when funds are available. The drawings are all made, with estimates of cost.

Repair Shop.—This institution, containing blacksmiths, carpenters, wheelwright and painters' shops, has been fully occupied, in some of its branches, all the year. All the tools and rolling stock needing it have been repaired, and in some cases entirely rebuilt. All painting of rolling stock is done here

Pumps, Wells and Fountains.—A vast improvement has been made in the drinking water supply during the year, and this by availing, principally, of underground resources of the Park, insuring, in these cases, pure and cool water. Three (3) new wells have been sunk. No. 1, 450 feet northwest of Madison avenue gateway, No. 2, 1,150 feet north of Madison avenue gateway in the assembly grounds, so called, and No. 3, 350 feet north of Druid Hill avenue gateway.

Well No. 1 is through earth to rotten rock, 32 feet deep; No. 2 through earth and rotten rock and ending in solid rock, 54 feet deep; No. 3 is through earth and rotten rock, 32 feet deep. All were dug five feet in diameter and lined with bricks, covered with bluestone slabs and surrounded with brick pavements. All supply an abundance of cool water, which generally stands from 15 to 20 feet in depth. The pumps are old-fashioned white oak pumps of the best quality, which are undoubtedly the most durable, satisfactory and becoming for such places. One other well near the Pimlico gate, disused for years, was cleaned out, covered in, paved

around and furnished with a new pump, to the great convenience of cyclers and others passing that way.

In addition to the above, two (2) marble fountains have been erected and supplied with city water—one in Grove No. 9 and one in Grove No. 10. We have also put two additional nozzles on Edmunds' Well, and the same on Crise's Fountain. Both of these are fed by abundant natural springs. Mention has already been made of the removal of the fountain behind the repair shop to the bend in the road beyond, thus putting it in a most convenient position for passers-by. Putting together the old and new sources, it will be readily seen from the above record how well Druid Hill Park is now supplied with drinking water, in most cases derived from wells and springs. To sum up, there are at this time:

Of white oak pumps in wells	12
" fountains with city water	7
" springs improved	9
" " unimproved	4

Tennis Courts.—The new courts were thrown open to the public in May and have been in constant use since. They answer the purpose in every respect and are much liked.

Electric Lights.—The electric light service during the past year has been sasisfactory. There have been added to the equipment 16 arc and 4 incandescent lights. In detail the list stands as follows:

Arc lights,	2,000	candle power (nominal)	78
Incandescents,	50	" "	12
"	32	" "	2
"	16	" "	12

Total arcs, 78; incandescents, 56.

Storms.—We have been visited by only one serious storm of wind, rain and electricity during the past year. This occurred on July 17, and was exceptionally severe. Twelve good trees were destroyed outright; six struck by lightning and very many mutilated; roads, walks and drains were choked with branches, twigs and leaves, resulting in the destruction of about 2,000 lineal feet of guttering. Men were put to work immediately to make the main drives and walks passable, and many days elapsed before damages

were entirely repaired. Advantage was taken of the experience gained in rearranging some of our hillside ditches and strengthening weak places. We may always look for at least one severe summer storm. In 1896 we had two—one on July 27 and one on September 29. In 1895 we had one on September 6.

The Southdown Flock.—No sales of bucks for breeding purposes were made during the year until the month of November, when three were sold at $25 each.

The total number of lambs born in 1897—50, of these 31 were males and 29 females. The storm of July 17, which caught the flock outside, caused the death of 8 ewes and 6 lambs. Sales have been made from time to time to the butchers of old ewes and some defective yearlings. The flocks at this date contains:

Bucks	38
Ewes	103
Total	141

Police Record.

Arrests during the year	89
Fined	68
Dismissed	21

Disposal of cases:

Paid their fines	61
Committed in default	7
Amount of park fines paid	$231

City police on duty in:

January	5	July	8
February	5	August	8
March	6	September	7
April	6	October	7
May	6	November	3
June	6	December	3

Permits issued:

Picnics	502
Baseball	492
Football	101
Lacrosse	8

The tennis courts, baseball field and parade ground have been kept in good order for the players, and no mishaps have been reported.

The two ice-houses, holding 600 tons, were filled in December with 6½ inch ice.

Miscellaneous.—All property belonging to the park is in good condition, including buildings of all kinds, tools and general equipment. Urgent repairs to rolling stock have been made as needed during the summer, but a thorough overhauling will be given during the winter.

Fifteen (15) mules and horses have been sent to winter at Clifton Park, where there is abundant provender.

The Deer.—It is proper to mention before closing Druid Hill Park that the herd of deer is estimated by the local superintendent to number only forty (40), possibly fifty.

GREEN SPRING AVENUE.

It seems proper to mention this avenue at this point because all work done upon it, during the past year, has been by the Druid Hill force, and it is really an extention of one of the Druid Hill driveways. Its care was assumed by the Public Park Commission in January, 1897, and first inspected on Febuary 3d. We have almost entirely rebuilt one culvert, repaired extensively three others, opened and cleaned all ditches and breaks, filled number of bad washes and finally cleaned the surface of the macadam, through the woods, north of the Melvale branch, from the accumulated mud of years. There has been spent on this work during the year:

For material—		
Lumber	$45 51	
Stone	29 49	
		$ 75 00
For labor—		
Masons	$ 66 25	
Park hands	612 03	
		678 28
		$753 28

During the year, by order of the Commission, a complete map with profile and cross sections of the avenue, was made from

actual survey, which will at any future time furnish an accurate basis for improvements.

Patterson Park.

(106 Acres).

ENTRANCES.

Work was resumed on the new gateway, at Baltimore and Patapsco streets, in January, and the granite was all in place, ready for the ironwork, in February. During March the iron gates were hung and the work of the gateway proper completed. Both the granite and the ironwork of this gateway are well executed, substantial and handsome; the foundations were put in by the Public Park Commission and are well built. The alteration of grade and gutter lines inside and outside the entrance, so as to make a proper junction between Baltimore street and the park system of roads, involved much work; 75 feet of curb had to be reset on Baltimore street, also 250 sq. yds. of paving removed, the ground regraded and repaved, partly with brick and partly with asphalt blocks, with much other work, all of which was not completed until May 1.

This entrance is a great convenience to residents on Baltimore street, which is being rapidly built up, as well as the territory to the north of it The marble work of the Lombard street gateway, which is very massive and had become much discolored, was cleaned during the summer by our own hands and the iron gates repainted.

The footway gate, at the corner of Baltimore street and Patterson Park avenue, was repaired, the marble posts which had become loosened were reset and dowelled and the gate painted. All other iron gates in the park were repainted during the season.

DRIVEWAYS.

The new main driveway on the extension was completed and connection made on May 3d; it was thrown open to the public on May 8th; this completes the entire park system of driveways

and gives an outside circuit between the old park and the extension, of 2.1 miles in length without repetition. This drive forms a figure OO. The portion in the extension is macadamized, the portion in the old park is graveled, they are respectively .95 of a mile and 1.15 of a mile in length. The macadam is in excellent order with a very fine surface. The gravel driveways in the old park have required constant repairing during the season—a difficult problem through the exhaustion of the gravel supply in the neighborhood.

FOOTWAYS.

From the Patapsco street entrance, on Baltimore street, a new footway was extended southward to the Esplanade on the western side of the drive, length 800 feet, width 8 feet; this was bottomed with oyster shells covered with cinders and finished with blue limestone siftings; it was guttered next the hillside and provided with proper drainage into adjacent inlets.

Two hundred (200) feet of new footway was made reaching from the Rose street gate to the main driveway, guttered and finished with cinders. This walk was one of the short cuts laid out by the public from which it is difficult to divert them. A similar footway seventy-five (75) feet long was made from the north end of the battery to the middle drive. In general, the footways have been kept in excellent repair during the past year.

DRAINAGE.

The construction of new drainage has been mainly confined to the extension in the laying of brick gutters and pipe lines to the city sewer. Owing to the uniformity of the terraced surfaces of the extension, the flow of drainage is pretty much equal everywhere, and it is possible to carry the pipe lines in whatever direction suits best. At this date the entire system of drains is in place, having been completed during the past year as soon as the graduation of the terraces was sufficiently advanced. It may, in the future, become necessary to make some additions to these

drains, but not for some time to come. Amount of this work done during the year is stated below :

Five brick gutters along main driveway.....	568	lin. ft.
Three and four brick gutters along footways....	1,930	" "
New inlets built, large and small.....	15	" "
Terra Cotta pipe laid, 12 and 6 inch.....	253	" "

In addition to the above, several decayed wooden troughs across the sidewalk of Patterson Park avenue were replaced with iron pipe.

BUILDINGS.

On May 31st, by order of the Commission, Gottfried Lang, lessee, vacated the Casino. Since then it has been thoroughly cleaned and closed. Some of the exterior woodwork, which had suffered from the weather, has been repainted. The building is in good condition.

The Conservatory has had a thorough overhauling during the year. A good deal of decayed woodwork was replaced, and the entire structure repainted inside and out. The Local Superintendent's House, Propagating House, Observatory, Shelters, Closets, Stable and all other buildings are in good repair.

MASONRY.

The only work done under this head was the rebuilding of a portion of the brick retaining wall around the Boat Lake, which had fallen in. This wall was old on poor foundations.

PAINTING.

The following buildings have been repainted during the year : All the woodwork in the local superintendent's house, stable and closets attached, conservatory inside and out, walls of ladies' toilet, boat lake, butler's pantry, casino, all iron gates (12), iron vases on mall, Taurus fountain pavilion, keeper's box, Lombard street, men's closet at lake, fish pond rail, and flag pole, the outside steps and piazza rail at casino, etc.

GARDENING DEPARTMENT.

The display of summer beds at Patterson Park was, as usual, attractive and tasteful; some odd conceits were carried out in the way of coats of arms, carpets, calendars, etc. The total amount of bedding plants raised was 42,966; of these Patterson Park used 25,702, Riverside 6,031, Federal Hill 2,335, Johnston Park 4,013, left on hand and kept as a reserve, 4,885. A fine bed of Nelumbiums was planted tn the north end of the boat lake, where they flowered profusely.

The Conservatory.—This has been kept in excellent order during the year, and has proved attractive to the public. A number of overgrown plants were removed and replaced with younger specimens, which have at this date filled all the gaps. As stated before, much of the woodwork of the Conservatory had to be renewed, and the entire structure painted inside and out. Wood framed conservatories are very expensive to maintain, whilst iron framed houses, like that at Druid Hil Park, rarely require repairing.

Total number of visitors during 1897	22,263	
Coal used in Conservatory, 1897	47.00	tons.
Coal used in Propagating House, 1897	14.51	,,
Total coal used in both	61.51	,,
Coal used at other points	38.49	,,
Total	100.00	,,

The Nursery.—This has been filled durlng the year with flowering shrubs, trees and evergreens, almost exclusively of our own propagation. Seven hundred and twenty plants in variety have been furnished other parks this autumn. Two thousand siz hnndred and six remain on hand, many of which will be used in the Spring of 1898.

SUNDRIES.

Electric Lights.—There have been added to the equipment of lights in Patterson Park during the year, four arcs on the extension and two in the old park, or six in all, making the sum total:

Arc lights.....2,000 cp. (nominal) 26.

The service was entirely satisfactory.

Storms.—The storm of July 17th, which did so much damage at Druid Hill Park, was not so severely felt at Patterson; no trees were blown down, and the washouts from the heavy rain were comparatively small and easily repaired.

Ice House.—The house was filled with 250 tons of 4½ inch ice at an estimated cost of $.29 per ton. The surface of the ice on both lakes was kept in good order for the skaters during the season.

Boat Lake.—For the first time marine grass appeared in the lake. It had to be removed twice during the season. Thirty loads of sand and fifteen of rubbish were removed from the lake during the season

THE EXTENSION.

A few words, before closing, as to the condition of the extension will be in place. The main terraces are all completed and the main driveway joined up; the tracks have been removed and all railroad material piled up for disposal or future use. The south-eastern esplanade is finished and all drain-pipe lines laid with inlets. This leaves to be completed, some light grading next to the eastern fence line and in the southeastern corner of the park; also about 300 lineal feet of driveway to reach the southeast entrance on Eastern avenue. There is also a good deal of soiling and seeding to be done. This was the state of affairs on September 18th, when the force was reduced and the work stopped. There were laid during the season on the extension slopes 2,800 square yards of sod, whilst of the terrace levels four (4) acres were soiled and seeded. In addition five (5) acres were graded and prepared for soiling and seeding.

POLICE RECORD.

Arrests during the year	12
Fined	9
Dismissed	3

Disposal of cases:

Paid their fines	4
Committed	5
Fines paid	$15 00

City police on duty:

All the year	1 wheelman.

FEDERAL HILL.

(8.25 Acres.)

We have had no settlements or cracks in the slopes or levels of Federal Hill during the past year, which is an unusual condition of things, and looks favorable to a permanent cessation of such troubles.

SUNDRIES.

The One Driveway, which makes the circuit of the upper level of the Park, is in good order, and has needed but little attention since it was guttered and piped about seven years ago.

The Footways, being all paved with asphalt blocks, give no trouble to maintain except when settlements of the surface take place. We have had none this year, as stated above.

Arc Lights.—The poles for the four (4) arc lamps in this park, which had decayed, were replaced with regulation park poles with iron feet, also the eight line poles, which were getting into the same condition, were replaced with neat iron poles, park patterns. Advantage was taken of these repairs to place both the lights and line poles in better positions to avoid trees and shadows. These lights are paid for by the city out of the general fund.

Park Benches.—Thirty new park benches were received from Druid Hill Park during the year and put in place on the upper eastern terrace, which is the favorite public rendezvous in good weather and overlooks the harbor.

Painting.—The repair shop, the closet with its lattice work enclosure, all park benches, the floor of the observatory veranda, the roof valleys of same and all guard rails were painted.

The Observatory.—This building is in as good condition as possible with so poorly built an edifice. The upper story is out of plumb and very shaky in a gale of wind.

Gardening.—The trees, hedges and shrubs were very flourishing during the past season and made an unusual growth. The upper plaza is now well shaded, and the middle walks soon will be. The flower beds, next Warren avenue, were very handsome and attractive, and were supplied with plants from Patterson Park, 2,335 in

number. During January and February the lawns and slopes received a top dressing of 142 loads of well-rotted manure, which added very perceptibly to the luxuriance of the summer growth.

Arrests.—Three (3). Two (2) were dismissed on payment of costs, and one (1) committed in default. There is little trouble at this park, considering the numbers who frequent it.

All property is in good order.

Coal.—Amount used during the year, one ton.

Riverside Park.

(17.28 *Acres.*)

As in 1896 Johnston street was graded along the western side of this park, so in 1897 Covington street has been graded along the eastern boundary, involving the readjustment of park fences, gateways and drains to conform to the new grades.

In some places we were too low, but generally too high; one of our main drainage lines also was cut off to the eastward. This work was begun in April by setting back the fence line temporarily, and finished in July. To reconstruct the drainage our main pipe to the eastward was taken up to a proper distance inside the park and diverted to the southward, draining into the west gutter of Covington street through a shallow brick channel across the sidewalk covered with iron plates. This involved laying 240 lineal feet of terra-cotta pipe with four new inlets to reach the brick channel. To bring the street and park grades together, 240 lineal feet of iron railing were raised 18 inches, including the iron gates, and the surface filled in. South of this point the park boundary was lowered from 1 to 4 feet and sloped for 540 feet, and the fence set down to the new level; all new slopes were sodded. Riverside Park is now bounded on the north, east and west by improved streets, and on the south by the Baltimore and Ohio Railroad. The drainage at the southwestern corner of the park, where the other main outlet is situated, was also rebuilt in brick, and where it crossed the sidewalk covered with iron plates; on each side of which the sidewalk was paved with brick for a short distance. The above work involved 1,218 square yards of sodding.

The size of the stable yard was considerably increased, also the size of the tool-shed, for the better protection of rolling stock. This work was done by our own hands in August and September and was inexpensive. As the stable, tool-shed and wagon-house, etc., are all in the above-named enclosure, which is situated on Covington street, it became necessary to put the entire premises in shape to conform to the new street grade and the improved appearance of the vicinity, which is now completely built up.

Painting.—All outhouses, benches, fences, etc., requiring it have been repainted during the year.

Gardening.—The principal flower beds, which were around the fountains, were well arranged and attractive, with an unusually fine display of roses. All bedding plants came from Patterson, 6,031 in number. A hedge of California privet has been planted around the women's closet and twenty-six (26) deciduous trees set out, generally to fill blanks. Sixty-one (61) flowering shrubs were planted along the walks between the line trees. Nine (9) Carolina poplars were set along the new curb line on Covington street.

Arrests.—Five (5). Three (3) released, one (1) committed, one (1) dismissed.

Property is all in good condition.

Coal.—Amount used during the year, two (2) tons.

Johnston Park.

(2.58 Acres.)

This small, but attractive park has been fully kept up to the requirements during the past year, and has been much appreciated by the residents in its vicinity.

The trees and hedges are now well grown. Some few of the street trees on the Biddle street side are failing, and will have to be renewed. The city fountain nearby has probably caused this by over-saturation of the ground.

SUNDRIES.

During January some work was done in repairs to drains. In February, as soon as the winter broke, all lamp poles, benches,

flower vases and iron guards were painted; also the keeper's house.

The water supply was extended 154 feet to the top of the south slope. This saves the use of an equal length of hose, which requires constant renewal. Seventeen (17) square yards of asphalt block pavement were laid to save the wearing away of grass and soil between the benches. All tree holes in the south pavement were opened to double their former size, to admit water to the roots, as since the laying of the water-tight asphalt pavement on Chase street these sidewalk trees have suffered severely for want of moisture.

During the month of May the concrete support walls and entrance stairways were all given a coat of Portland cement wash, much to their benefit.

The excellent condition of the stairways (which are quite lofty) and support walls in this park, which were all built of concrete, fully ten years ago, at far below the price of cut stone, shows the value and economy of concrete work when well done. We have had but two settlements in all this work—in both cases due to made ground, and in both easily repaired.

The summer beds were supplied with the 4,013 plants required from Patterson Park and Druid Hill, and added much to the attractiveness of the park by their arrangement and coloring.

Coal.—Amount consumed during the year 1 ton.

Arrests.—There were five (5) arrests during the year. Three (3) of which were dismissed and two (2) committed.

Property all in good condition.

MT. ROYAL TERRACES.

(*2 Acres.*)

During January, these terraces passd into the care of the new local superintendent; his work during the month was confined to cleaning up and disposing of snow. As soon as the weather permitted, the hedges were trimmed and the scale bug attacked, which had taken possession of a number of hedge plants. All dead spots in the slopes were relayed with fresh sod.

In May the summer beds were planted, taking about 5,000 plants of which 512 were from Druid Hill and 3,360 from clifton, which were well arranged and cared for.

In September the walks received a top dressing of limestone screenings, brought from Druid Hill Park; ten cart loads in all.

I would call attention to the excellent condition of the oriental sycamores planted on the side walk; they are the first trees we have ever had to survive the smoke, gas and dust of this vicinity; they vindicate their reputation, holding their foliage longer than any trees in that section of the city.

The new local superintendent has proved himself capable and faithful as shown in the condition of the Mt. Royal Terraces during the past season.

Arrests.—3. All dismissed.

COLLINGTON PARK.

(5.14 Acres.)

Nothing was done during January and February except to watch the property and keep open the drains. During March the lawns and slopes were all cleaned, mowed and rolled, and tree holes dug for planting. In Aprll all trees were planted; by May the force had been increased to five (5) men, who were steadily employed until September in laying gutters and perfecting the drainage, dressing up the unfinished surface and breaking stone for bottoming the walks and bringing them to grade with cinders, etc. A considerable section of the upper plateau had settled since its construction, some ten years ago; this was all raised and resodded. The water supply was extended 536 lineal feet, and four (4) new street washers put in. Three (3) flights of wooden steps were built from terrace to terrace on brick foundations and paved, as were the approaches. On October 14 the park was practically finished excepting the top dressing of pathways, and the force discharged, leaving it in the hands of the local superintendent for the winter. The streets around Collington Park are all paved as to roadways and curbed, but no sidewalks are laid, hence we have put up no new gateways for the public. The old northwest gate still

stands and admits such persons as desire to come in, who must, however, go out the same way. Next season it will probably be necessary to construct a proper number of entrances and admit the public fully, as the park is now nearly surrounded on three sides by houses which will be occupied by that time.

The items needed to make it available are entrances, one flight of steps, the final top dressing of the walks, and a sufficient number of benches. The trees, which are mainly oaks, are healthy and vigorous, and yield considerable shade, although the poverty of the soil is not favorable to rapid growth. Such items of work done as can be accurately stated are: Water pipe laid, 536 feet; drain pipe laid, 877 feet; brick gutter laid, 2,821 feet; inlets built, 22; brick paving laid, 167 square yards; sodding, 1,857 square yards; blind ditching, 254 lineal feet.

No arrest during the year.

Coal used during the year, half ton.

CARROLL PARK.

(*35.77 Acres.*)

Nothing was done to the entrances during the year, nor can there be until the adjoining streets are graded and paved which bound the old park. The extension is bounded on the south by Columbia avenue, and when its roads and paths are sufficiently developed they will be easily connected with Columbia avenue. At present the gates on the extension are principally to admit material to the grounds to be filled up.

DRIVEWAYS.

The driveways in the old park have been kept in good order and are used by wheelmen and carriages. On the extension we are extending the driveways as fast as we develop the new surface, leaving them hollow for the reception of such material as broken brick, stone, cinders, ashes, etc., which will make a good porous bottom. In this way we sort the great variety of filling material which comes to seek a dump.

FOOTWAYS.

Nothing special has been done during the year in regard to footways in the old park; they have been kept in order and repaired when necessary. On the extension the main footway, from Columbia avenue north to a connection with the old park and the Mansion, was finished in April and opened to the public. This footway is 10 ft. wide and 600 ft. long, well paved with cinders; it is connected with the old park by an inclined plane, with four steps, paved with brick, and is now a much used entrance. As is the case of the new driveways on the extension the new paths are blocked out as the finished surface is developed; the distribution of soil is thus confined to the lawns.

DRAINAGE.

The principal work constructed during the year is a section of the main drain through the extension valley, thirty (30) inches in diameter and 340 feet in length; the total length through the present park property will be 1,020 feet. This drain is built of concrete and lined, as to the invert, with vitrified brick. The foundation proved so soft that hand-driven piles were used upon which a platform was laid to receive the sewer proper. The run is now turned through this drain and the park surface has been brought up to grade above it. Into this main drain all the pipes from the south slopes of the park will eventually empty; at present four lines empty into it. Seven hundred and fifty-three lineal feet of drain pipe were laid and nine (9) inlets built in connection with the sewer and at other points. In the north section of the old park, where the main drain connects with Eagle street sewer, everything works satisfactorily, and we have no trouble from storm water.

BUILDINGS.

The Mansion is in good order and has required no repairs during the year. The furnace erected in 1896 has kept the house dry and comfortable in all weathers, and will add much to its durability, as the walls no longer reek with moisture in damp weather.

The Pavilion, as indicated in my last annual report, had to be in part refloored this season. It is now sound throughout. The stable and closets are all in good condition.

FENCES.

The outside enclosure is in good condition, except on the eastern side in the old park, where it is in very bad order, being the last remnant of the old fence which existed when the park was purchased. It will have to be replaced in 1898.

GARDENING.

This park excels in its gardening department owing to the skill of the local Superintendent, and the valuable heritage of the old fashioned terraced garden to the south of the Mansion, which has been improved and extended on the original lines until it is very beautiful. Urns from Druid Hill Park fit in admirably here. The south garden is not, however, the only one. Many beautiful beds were planted north of the Mansion, including the really remarkable collection of cacti, 900 in number, amongst which were many rare forms. The various beds consumed 34,300 plants, all furnished by the park Nurseries. Five thousand three hundred came from Druid Hill. Trees set out during the year, 97; shrubs, 149. Two thousand one hundred lineal feet of Hawthorn hedge were planted on the extension along Columbia avenue and Monroe street. The Nursery is well filled with valuable stock, and at this time the Propagating House is filling with plants for next season. The southern exposure of the larger portion of Carroll Park is very favorable to plant growth. Evergreens especially flourish, and we have a valuable collection of rare varieties. The Deodar or Indian Cedar is conspicuous, also the Cedar of Lebanon, with many other rare plants.

Coal used in the Propagating House	22 tons.
Coal used at other points	6 "
Total	28 "

SUNDRIES.

Electric Lights.—One new arc light was added in May to facilitate access through the extension from Columbia avenue. We now have nine all told, quite sufficient for present needs. Four of these are cut out during the winter season, that is, from November to May.

Hay.—Three and one half tons were made from the south lawn in the old park.

Pumps.—One new well was dug and a pump put in, in June. An excellent supply of water was obtained, fortunately, as one of the two pumps already in place frequently gave out. This new well is 6 feet 3 inches in diameter, by 20 feet deep.

Painting.—The exterior of the Mansion was painted, also the condemned wing of the Mansion, as there seemed no possibility of rebuilding at an early date; also all metal roofs, electric light and line poles, etc.

Base Ball.—According to order issued by the Commission, a base ball field was laid off in the northwestern corner of the extension.

Picnics held in the park	6
Base ball permits issued	51

Grading, etc., on the Extension.—The work of filling in on the extension has progressed favorably.

Received from outside at 5c. per load	22,749 cubic yards.
Received from Street Cleaning Department	3,663 " "
Distributed by park force	17,758 " "
Surface finished, soiled and seeded	3.5 acres.
Surface finished, soiled but not seeded	1.6 "
Sodding	750 square yards.
Main drain built	340 lineal feet.
Pipe drains laid	753 " "
Inlets built	9

Police Record.

Arrests during the year	10
Fined	8
Dismissed	5

Disposal of cases:

Paid their fines..... 2
Committed..... 3

City police on duty:

After 10 A. M.....1 footman.

The attendance of the public at Carroll is increasing year by year, although no very recent improvements in the way of building up the vacant lots, adjacent, have taken place.

In view of a further extension to Carroll Park, as provided in Ordinance No. 72, passed by the Mayor and City Council, and approved September 27th, 1897, it is worthy of note to add that under Ordinance No. 110, the first extension of Carroll Park passed by the Mayor and City Council and approved May 1st, 1893—we deposited 123,000 cubic yards of earth in order to bring to a proper surface the old brick yard deep excavations and ponds, and the end is not yet, for the filling still goes on.

Clifton Park.

(252.9 Acres).

ENTRANCES.

There are six (6) carriage entrances to Clifton, four on the Harford road, one on South Washington street, and one on the Belair road. When the Public Park Commission took the property in hand but two gates were standing, one of which was very infirm. During March and April we erected five strong double wooden gates, 20 feet wide, and repaired the iron gates at the main entrance. This enables us to close the park and control the travel. The general repairs at the main entrance, including the Porter's Lodge, the curved wing walls to the gateway, etc., begun late in 1896, were completed early this year, the curved wings being coped with granite and surmounted by a simple iron railing. A new closet was also placed in a concealed position for the use of the tenants of the lodge.

DRIVEWAYS.

One new driveway has been made during the year, by order of the Commission, connecting the main entrance with Clifton Lake and obviating the necessity of leaving the park by one gate to enter it through another to reach the lake from the Harford road. This new driveway is 1,100 feet long by 25 feet wide, and is a solid well-made piece of work, built to a regular grade and well drained; it is complete except as to the gutters, which, at present, are only unpaved ditches; the slopes are all sodded and it has been graveled fairly well from a pit on the place.

No other work has been done to driveways during the year, except to keep them in repair. There probably never was a place as large as Clifton where the carriageways were so few and so inconveniently arranged for access to different parts of the estate.

FOOTWAYS.

Nothing has been done in this line beyond putting and keeping in order the few that exist and changing the direction of one at the Mansion for a short distance to avoid trees.

DRAINAGE.

One 15-inch pipe culvert, with masonry head walls, was built under the new driveway, to drain the little valley above. A sod counter-ditch was also made along the hillside above the new road.

The area around the gardener's house and conservatory was guttered, piped, provided with necessary inlets and drained into the valley below.

The long terrace south of the propagating house was guttered and the entire drainage of that section rearranged so as to feed the terrace cistern, upon which the extensive flower beds depend for water; this was very successful, and no water that falls in that neighborhood, above the locality, is wasted. One very important line of drain pipe will have to be laid in the garden valley as soon as we can spare the labor; for this we have had the pipe on hand for many months.

Terra cotta pipe laid during the year	327 lin. ft.
Brick gutter laid	750 " "
Inlets built	18 " "

BUILDINGS.

During January the rebuilding of the conservatory, begun in November, 1896, was completed. Most of the frame, the sash, the roof, the inside columns, plant benches, brick flooring, etc., were either entirely or in part renewed; the cellar was entirely remodeled and the heating arrangements improved; a skylight was put in the western roof; a tank of 450 gallons capacity was placed in the conservatory at a sufficient height to give pressure below, and into this was all the roof drainage collected; the overflow runs into the floor tank, so that but little water is lost. All work was done by our own hands, except plumbing, guttering and spouting; all woodwork was painted and walls whitewashed. This building is in excellent order and its arrangements all work well. During April the gardener's kitchen wing was underpinned with brick and the improvements connected therewith finished. In June the rebuilding of the summer kitchen, outhouses and woodshed at the local superintendent's house were completed, and shortly thereafter the enclosing of the premises with a post and ribbon wire fence. Then followed the reshingling of the gardener's house, repairs to the house occupied by the Jones family, the making and placing of new closets with duplicate metal boxes at the various dwellings, etc.

The new closet for women, ordered by the Commission, was finished July 15 and thrown open for use. It is an improvement upon former closets and more readily kept clean. The platform, upon which it rests, is of stone and drains toward the centre. During July every building in the park was repainted or rebuilt, so that all property of that class may be listed as in first-class condition. These comprise:

1 Mansion House.
5 Comfortable dwellings.
1 Conservatory.
1 Propagating house with three large storerooms.
1 Carriage and implement house.
1 Stable.
1 Toolhouse and repair shop.
2 Grain and hay barracks.
1 Corn crib.

GARDENING.

The work done under this head during the past year can only be appreciated by carrying a mental photograph of what the Garden valley was in 1896. The work begun in July of that year has been steadily continued, the improvements in the old Greenhouse terrace were completed; the old Hopkins garden in the valley below was entirely restored and the thickets in the Garden valley cleaned out. The pear orchard was cleared of dead and wornout and useless trees, whilst a large area of the ground occupied was made into a tree nursery, in which was placed 1,000 deciduous trees from 4 to 6 feet high, brought in from the woods; oaks, hickories, maples, tulips and dogwoods constitute the majority. We also gathered 363 flowering shrubs, 624 hardy perennials and 53 clumps of ornamental grasses from out of the way places and used them in making the large garden on the upper Greenhouse terrace. The dilapidated boxwood borders to the pear orchard were taken up on the eastern side and replanted in better shape, whilst the boxwood bordering of the entire orchard plat, which must be fully 4,000 lineal feet, was trimmed and cultivated; 300 lineal feet of hemlock hedge was planted to shield the upper terrace from the northwest winds, as well as to make a background for the garden.

The Conservatory, as stated under the head of buildings, was completed in January, and at once filled with such plants as we had, snpplemented by duplicates from Druid Hill and Parterson Parks. To these were added a large number of ferns, selagenellas and begonias which were planted in rockeries, prepared specially for this order of plants, and which were in harmony with the size and shape of this Conservatory. The rockeries are now a mass of foliage, the growth having been very heavy during the past season. Visitors during the year, 11,241.

The Propagating House, on the upper terrace, and which was thoroughly repaired, excepting a few items in 1896, was worked to its utmost capacity during the propagating season. The product was 47,889 plants for bedding.

Of these, were used at

Clifton	43,110
Mt. Royal Terraces	3,360
Druid Hill Park	464
Carroll Park	461
Riverside Park	474

We used more at Clifton than were really needed, after supplying every demand from other parks, and this justifies the statement that at this time we are able to supply all the public parks with bedding plants and still have a surplus. Of course, this must be qualified by the statement that when the Carroll Park extension is completed we will have more beds to fill, as will also be the case at Clifton, when the improvement of the grounds around the Mansion admits of flower beds at that point. Still, our facilities for propagation are well up. A few minor improvements in the heating pipes of the Propagating House were made during the summer, and everything is now complete. The great need in the gardening department at Clifton is a supply of city water. The constant rains during the past season kept the tanks full ordinarily, but did not at all times obviate the necessity of using the water cart, which was filled from the only hydrant we have, at the main entrance. During a dry season it would be impossible to haul water enough to supply the demand. The lawn in the Garden Valley, east of the Conservatory, has been gradually extended as opportunity offered, the ground being cleared of vines, shaped up and sodded. Down this valley runs an open ditch lined with rough stone. By covering this in, or substituting a pipe line, the lawn would be unbroken and the beauty of the valley much enhanced. It is proper to mention here the great beauty and luxuriance of the flower beds at Clifton during the season. The Greenhouse terrace was especially attractive from the fine massing of colors and variety of the plants used. This succession of rectangular beds was 400 feet long by 15 feet wide. The old Hopkins garden in the valley was also very attractive with its complicated patterns.

Coal.—Amount used during the year, all points, 58 tons.

FARMING.

The area planted in crop for 1897 was 74 acres, as follows; Rye, 28 acres; corn, 28 acres; oats, 18 acres. The product has been: Of rye, 664 bushels; of oats, 441 bushels, and of corn, 1,240 bushels, or at the rate of 24 bushels of rye, 24 bushels of oats and 45 bushels of corn per acre. Of this crop 638 bushels of

rye were sold, the balance kept for seed; all other crops were kept for feeding the park stock. Of long provender we secured 40 tons of rye straw and 8 tons of oat straw, whilst of corn fodder we made 3,500 bundles. Manure made 550 loads.

During the winter of 1896–97 we wintered in all 20 head of park stock; this winter, 1897–98, we are wintering 23 head of park stock, thus saving a large outlay for feed. We have made, bought and spread upon the land since October, 1896, 1,550 loads of manure, having an excellent effect and is putting the land in heart to bring grass. The rye for 1898 is now looking well, and covers 28 acres, 20 of which is also sowed in timothy. The area of land in timothy is rapidly increasing, and the hay crop in 1898 should be a heavy one. As before stated, in one of the monthly reports, the object is to get the entire place well set in grass by 1900; thus we had 74 acres in crop during the past season. In 1898 we will have 56; in 1899, 16 acres, and in 1900 all will be in grass. This is, of course, an approximate statement, but nearly correct.

Produce sent to other parks.—Corn, shelled, 350 bushels; oats, 247 bushels; rye straw, 9½ tons; hay, 4½ tons.

ESTIMATED VALUE OF CROP MADE IN 1897:

Hay, 55 tons, at $11.00	$605 00
Oats, 441 bushels, at $ .25	110 25
Oat Straw, 8 tons, at $8.00	64 00
Rye, 685 bushels, at $ .50	342 50
Rye straw, 40 tons at $9.00	$ 360 00
Corn, 1,240 bu. at $.30	372 00
Corn fodder, 3,500 bu. at $.03	105 00
Conservative value of crop	$,958 75
Manure made at Clifton, 550 loads at 50c	275 00
Total estimated value	$2,233 75
Sale of fruit	$ 27 70
" " wood	71 00
" " grass, etc	6 75
	$105 45
Rentals have produced	396 00
Cash receipts less rye sold	$501 45

As the rye sold is included in the above *estimated value* of crop it is not recorded here.

The farm buildings consist of corn crib, stable and two hay barracks. The hay barracks are getting very aged, the stable is good, but temporary, having been made out of a tool-shed; the corn-crib is good for some time to come. When it is decided to rebuild these structures can be better planned and arranged. The hay barracks will have to be repaired next season.

SUNDRIES.

During July a pump was placed in well No. 1, which had been cleaned out a year ago. This well has an ample flow of water, but is not much used at present, due very much to the fact that a new well was dug 46 feet deep near the Mansion and fitted with a pump in August. This well has proved quite sufficient for present purposes and supplies the ball players with abundant water. During May a hydrant was placed at the road margin near the main entrance. This was supplied with city water by extending the supply pipe 75 feet farther into the park.

During the Summer it was found desirable to separate the tennis courts from the ball field, which was ordered done with a wire fence. The result has been satisfactory to the tennis players.

The cistern at the Jones' house was thoroughly cleaned out and repaired.

Much time was spent during the year in the removal of old stumps, dead trees and underbrush in the woodlands.

Several cycle races have been held around the lake on permits issued by the Water Department.

POLICE RECORD.

Total arrests	4
Disposal of same:	
Dismissed	3
Committed	1

We have not had much trouble at Clifton, and the one day officer has managed to keep the peace, with an occasional visit from the city patrolmam on that beat.

BOLTON PARK.

(3.34 Acres.)

This property was completed, according to agreement, by the Belt Railroad late in the autumn, and was finally accepted by your Honorable Commission at the December meeting. The work has been substantially done, and is tn good condition. There are four (4) dead trces, which the railroad company will replace in the spring, it being too late when the park was accepted. It has been placed, by order of the Commission, in charge of the local superlntendent of the Mt. Royal terraces, who keeps the drains open and the entire property clean, whtch comprises all the work needed until spring

As a matter of information and interest there will be found below a table showing areas of all public parks, wlth extent of driveways, walks, bridle paths, etc., in each.

	Area.	Length of Driveways.	Length of Walks.	Length of Bridle Paths.	Length of Special Cycle Track.	Area of Ponds and Lakes.
	Acres.	Miles.	Miles.	Miles.	Miles.	Acres.
Druid Hill Park..	671.21	15.000	11.680	2.50	0.672	69.50
Patterson Park...	106.00	2.964	4.602	.....	.....	5.97
Clifton Park.....	252.96	Old, 4.330 New, 0.208	Undevl'd	.....	.....	31.73
Carroll Park.....	35.77	0.691	1.439	.....	.....	.....
Riverside Park...	17.28	0.558	1.510	.....	.....	.....
Federal Hill Park.	8.25	0.184	0.870	.....	.....	.....
Johnston Park....	2.58	.....	0.509	.....	.....	.....
Collington Park;	5.14	.....	0.913	.....	.....	.....
Mt. Royal Terraces	2.00	.....	0.663	.....	.....	.....
Bolton Park.....	3.34	.....	0.242	.....	.....	.....
Green Spring Ave.	.....	2.851	.....	.....	.....	.....
Totals...	1104.53	26.786	22.428	2.50	0.672	107.20

Cost per acre of the various parks for 1895, 1896, 1897, also average cost per acre of all parks during the same years.

	Acres.	1895.	1896.	1897.
Druid Hill Park	671.21	$167 00	$140 84	$146 54
Patterson Park	106 00	308 00	369 03	379 05
Carroll Park	35 77	627 00	442 63	531 91
Clifton Park	252 90	.....	62 99	71 67
Federal Hill Park	8 25	320 00	222 69	252 86
Riverside Park	17.28	300 00	339 54	328 53
Collington Park	5.14	633 00	790 88	601 96
Johnston Park	2.58	815 00	845 73	784 23
Mt. Royal Terraces	2.00	759 00	769 02	797 02
Average cost per acre of all parks		$167 61	$164 32	$172 70

I take pleasure in bearing witness to the faithful services rendered by all local superintendents.

Respectfully submitted,

CHAS. H. LATROBE,

General Superintendent and Engineer.

PARK INVENTORIES.

DRUID HILL PARK.

Buildings.

Mansion,
Maryland building,
Office building,
Local Superintendent's house,
Stone house,
Palm house,
Propagating house,
Barn,
Sheep and mule shelters,
Wagon shed,
Camel stable,
Lumber shed,
Repair shop,
Monkey house,
Filtering house,
Hatching house,
2 keepers' houses,
9 gate houses,
13 picnic shelters,
18 closets.

Park Furniture.

2,118 benches,
155 stools and chairs,
Furniture in office building,
2 United States flags.

Stone Crushing Plant.

Engine house,
Upright boiler,
Stone crusher and screen,
Horizontal engine,
Inclined railway and trestle,
Engines and fire tools and belting.

Live Stock.

14 horses,
14 mules.

Southdown Flock.

141 sheep.

Show Animals.

1 macaw,
6 cockatoos,
6 parrots,
9 paroquets,
1 pheasant,
1 toucan,
1 crane,
2 owls,
1 bald eagle,
3 bantam chickens,
3 swans,
13 Pekin ducks,
4 wild geese,
1 brant,
14 mixed birds,
1 ant bear,
1 black bear,
2 wolves,
1 ferret,
3 ground hogs,
8 raccoons,
14 rabbits,
8 prairie dogs,
4 camels,
2 sea lions,
11 monkeys.

Rolling Stock.

11 watering wagons,
2 express wagons,
1 lumber wagon,
21 dirt carts,
1 watering cart,
1 dray,
3 snow ploughs,
1 Jagger,
1 top buggy,
1 buggy without top,
1 steam roller,
2 two-horse rollers,
1 one-horse roller,
2 hay rakes.

Harness and Horse Furniture.

11 sets double harness,
3 sets single harness,
21 sets cart harness,
10 curry combs and brushes,
2 lap robes,
2 horse covers.

TOOLS AND EQUIPMENTS.

Gardening.

4 horse lawn mowers,
2 Champion mowers,
4 hand lawn mowers,
300 feet of rubber hose,
6 picks and hoes,
13 shears, hatchets and weeders,
4 rakes and forks,
8 trowels and sieves,
2 sets fire irons,
8 shovels and spades,
3 syringes,
2 oil stoves,
1 coil copper wire,
6 thermometers,
2 wheelbarrows,
10 sundries.

Repair Shop.

1 set of blacksmith tools,
1 set wheelwright tools,
1 set pipe tools,
1 drill press,
1 tire bender,
1 tire shrinker,
1 forge,
1 bellows.

Miscellaneous.

28 wheelbarrows,
112 picks and mattocks,
64 shovels and spades,
95 hammers and rakes,
1 platform scale,
1 derrick,
1 wire stretcher (fence),
3 sets of blocks and falls,
21 axes and saws,
72 dippers,
10 basswood brooms,
25 park uniforms,
1 force pump,
21 sundries.

Materials.

43 bars round iron,
3 bars flat iron,
75 pounds lead,
2 boxes dynamite,
10 sticks dynamite,
50 pounds powder,
2 coils fuse,
200 pounds wire nails,
425 bricks,
1 lot gutter stone,
1 lot old wire,
12 barrels cement,
151 pieces T. C. pipe and fittings,
33 pieces iron pipe,
6 drain well grates,
4 electric well covers,
23 cast-iron guard posts,
100 cast-iron hurdles,

Materials—Continued.

75 asphalt tiles,
60 asphalt blocks,
5 car loads No. 2 stone,
2 car loads No. 2 lime stone,
84 cart loads screenings,
1 lot of sand,
1 lot of pebbles,
200 feet B. M. white pine,
100 feet B. M. Georgia pine,
½ cord hickory, for handles,
12 pieces wooden conduit,
1 barrel linseed oil,
10 gallons turpentine,
3 gallons Japan dryers,
3 gallons asphaltum varnish,
2 gallons varnish,
½ gallon shellac,
167 pounds colors,
28 sign posts,
1 iron post foot,
1 lot of old lumber,
520 fence pickets,
150 fence posts,
1,830 lin. feet bench strips,
3,500 engineer's stakes,
5 pairs cart sills,
4 pairs cart shafts,
5 sets cart reins,
½ barrel lubricating oil,
50 pounds putty,
1 lot sand paper,
1 sand bellows,
23 paint brushes,
9 stencils,
3 step-ladders.

PATTERSON PARK.

Buildings.

Local Superintendent's house,
Conservatory,
Casino,
Observatory,
Fountain padoga,
Music pavilion,
Boat house,
Propagating house,
Tool house,
Wagon and cart shed,
5 shelters,
6 keeper's boxes,
Water gate tower,
Pump house,
Carpenter shop,
Ice house (stone),
6 closets,
Stable,
Blacksmith shop,
Storage shed.

Park Furniture.

1 set office furniture,
1 boat and oars,
1,000 benches,
1 United States flag,
8 stoves,
10 chairs.

Live Stock.

4 horses.

Rolling Stock.

Jagger,
Express wagon,
Lumber wagon,
1 two-horse watering wagon,
1 one-horse watering wagon,
1 two-horse roller,
1 one-horse roller,
7 cars,
3 carts,
1 snow plow.

Harness and Horse Furniture.

1 set carriage harness,
1 set wagon harness,
2 sets double harness,
2 sets machine harness,
3 sets cart harness,
4 halters,
1 riding bridle,
1 riding saddle,
2 horse blankets,
3 lap robes,
1 carriage whip,
5 brushes and combs.

TOOLS AND EQUIPMENTS.

Gardening.

1 Champion mower,
2 horse mowers,
5 hand lawn mowers,
3 plows,
1 cultivator,
1 hand truck,
7 scythes and sickles,
3 step-ladders,
450 feet of hose and reel,
1 garden line and reel,
2 brass syringes,
5 watering cans,
7 pruners,
19 spades and hoes,
9 forks and rakes,
18 sundries.

Repair Shop.

1 portable forge,
1 set of blacksmith tools.

Miscellaneous.

42 picks and mattocks,
62 shovels and shell forks,
24 sledges, crowbars and drills,
3 force pumps,
10 saws, hatchets and wrenches,
36 ice hooks,
3 sand screens,
2 hand rollers,
1 platform scale,
1 rail straightener,
1 tape line,
21 wheelbarrows,
27 rammers and hammers,
1 cat and rat rifle,
20 park uniforms,
52 sundries.

Materials.

3 iron post feet,
25 iron hurdles,
2 barrels railroad spikes,
225 steel rails,
4 steel frogs,
200 asphalt blocks,
13 iron vases,
1 barrel linseed oil,
Small lot of steel,
22 drain-well grates.

FEDERAL HILL PARK.

Buildings.

Tool house,
Closets,
Observatory and pavillion.

Park Furniture.

190 benches.
1 desk,
1 United States flag,
22 chairs,
1 stove.

TOOLS AND EQUIPMENTS.

Gardening.

1 horse lawn mower,
2 hand lawn mowers,
12 forks and rakes,
5 scythes and sickles,
6 lengths of hose and reel,
9 spades and hoes,
7 pruners and shears,
1 watering can.

Miscellaneous.

11 picks and mattocks,
15 shovels,
4 wheelbarrows,
22 hammers, drills, wrenches, etc.,
15 chisels, hatchets, saws, etc.,
26 sundries, as per list on file.

Materials.

100 asphalt blocks,
1 barrel cement,
25 pounds roof paint,
1 lot of old lumber.

RIVERSIDE PARK.

Buildings.

2 pavilions,
1 cart shed,
1 storage shed,
1 wagon shed,
1 tool house,
1 stable,
1 office,
2 closets.

Park Furniture.

510 benches,
20 chairs,
1 United States flag,
1 desk,
2 stoves.

Live Stock.

2 horses.

Rolling Stock.

Express wagon,
2 carts,
Horse roller,
Watering cart.

Harness and Horse Furniture.

2 sets cart harness,
1 set wagon harness,
2 halters,
2 oil covers,
2 horse blankets,
4 curry combs and brushes.

TOOLS AND EQUIPMENTS.

Gardening.

2 horse lawn mowers,
2 hand lawn mowers,
8 pruners, shears and weeders,
1 reel and line,
3 section hose and reel,
1 harrow,
4 wheelbarrows,
16 spades, rakes, forks, etc.,
6 scythes and sickles,
12 sundries.

Miscellaneous.

27 shovels,
6 mattocks and picks,
10 chisels, hatchets, saws, etc.,
27 sundries.

Materials.

118 pounds paint,
140 pounds different size nails,
167 pounds ground bone,
1 drain well grate,
36 section old T. C. pipe,
2 barrels cement,
1 lot of lumber.

JOHNSTON PARK.

Buildings.

1 keeper's box, with tool box and fixtures.

Park Furniture.

117 benches,
1 United States flag.

TOOLS AND EQUIPMENTS.

Gardening.

2 hand lawn mowers,
3 sections of hose and reel,
2 lawn sprinklers,
5 scythes and sickles,
1 brass syringe,
3 rakes,
2 watering cans,
3 pruners,
1 hoe,
3 scythe stones.

Miscellaneous.

2 wheelbarrows,
4 picks and mattocks,
7 spades and shovels,
1 grindstone,
2 step-ladders,
2 trowels,
1 hand roller,
1 paving rammer and shoe,
8 carpenter's tools,
5 stamps and stencils,
20 sundries, as per list.

Materials.

10 wire guard fences.
11 iron signs.
2 lengths iron pipe.

MT. ROYAL TERRACES.

Buildings.

1 keeper's box,
Tool house.

Park Furniture.

Desk,
Gas stove,
Chair.

Tools and Equipments.

Gardening.

3 lawn mowers,
4 spades and hoes,
7 forks and rakes,
7 pruners and shears,
1 brass syringe,
5 sections of hose and reel,
1 hand roller,
1 garden line and reel,
3 scythes and sickles,
6 sundries, as per list on file.

Miscellaneous.

6 shovels,
2 mattocks and picks,
6 hammers and trowels,
4 wrenches and pliers,
1 step-ladder,
1 wheelbarrow,
4 hatchets, files and saws,
2 iron bars,
3 valve keys,
8 sundries, as per list on file.

Materials.

1 barrel lock,
1 board.

COLLINGTON PARK.

Buildings.

Keeper's box,
Tool house.

Park Furniture.

Chair,
Stove.

Tools and Equipments.

Gardening.

2 hand lawn mowers,
6 sections hose and reel,
3 scythes and sickles,
1 brass syringe,
1 garden line and reel,
3 spades and rakes,
3 nozzles and pliers,
6 scythe stones.

Miscellaneous.

2 wheelbarrows.
26 picks and shovels.
3 saws, axes and hatchets.
1 hand roller.
6 hammers and sledges.
1 tape line.
1 spirit level.
5 sundries.

Materials.

20 sections T. C. pipe.
1 keg 12d. and 20d. nails.
40 paving brick.
2 drain well grates.
1 lot old lumber.

CARROLL PARK.

Buildings.

Mansion.
Pavilion.
Propagating house.
Tool house.
Tool shed.
Stable and wagon shed.
3 closets.
Coal house.

Park Furniture.

120 standard benches.
20 16-foot benches.
2 iron shoe scrapers.
1 United States flag.
19 chairs.
14 reflecting lamps.
1 desk.
2 stoves.

Live Stock.

2 horses.

Rolling Stock.

Express wagon.
Watering cart.
Large roller.
Dirt cart.
Hand cart with barrel.
Small roller.

Harness and Horse Furniture.

1 set wagon harness.
2 sets cart harness.
2 horse blankets.
1 pair clippers.

Tools and Equipments.

Gardening.

1 plow.
1 harrow.
1 Champion reaper.
1 horse lawn mower.
1 hand lawn mowers.
5 scythes and sickles.
320 feet of hose and reel.
25 spades, hoes, rakes, etc.
75 hot-bed sash.
8 pruners and sod knives.
8 watering pots and sprinklers.
11 straw mats.
1 reel and line.
11 sundries, as per list on file.

Miscellaneous.

39 shovels,
41 picks and mattocks,
15 saws, axes and hatchets,
10 hammers and pinch bars,
3 step-ladders,
1 scoop,
1 wire stretcher,
1 set brass alphabet.
12-inch block and 270 feet rope,
6 mortar boxes and mixing floors,
18 centres and moulds, (for sewer work),
9 wheelbarrows,
2 hand barrows,
1 grindstone and frame,
5 wooden rollers,
4 slope boards and straight edges,
4 iron buckets,
1 bench and vice,
6 pair of gum boots,
10 mallets and rammers,
1 steel tape line,
53 sundries, as per list on file.

Materials.

80 linear feet border guard,
8,300 re-pressed vitrified brick,
9½ barrels Rosendal cement,
1 barrel Portland cement,
1¾ kegs nails,
1½ cubic yards building stone,
1 lot of broken stone,
1 lot of lumber,
104 pieces T. C. pipes,
3 drain well grates.

CLIFTON PARK.

Buildings.

Mansion,
Local superintendent's house,
gardener's cottage,
2 dwellings,
Porter's lodge,
Conservatory,
Propagating house,
Ice house,
Pavilion,
2 closets,
1 small shed,
Repair shop,
Carriage house,
2 stables,
2 hay sheds,
Corn crib.

Park Furniture.

81 standard benches,
18 ordinary wooden benches.
24 stools,
1 United States flag.

Live Stock.

8 horses.

Rolling Stock.

2 four-horse wagons,
1 two-horse roller,
1 one-horse roller,
2 carts,
1 watering cart,
1 dayton wagon.

Harness and Horse Furniture.

2 sets double harness,
2 sets cart harness,
3 sets plough harness,
2 sets carriage harness,
7 bridles,
7 collars,
7 halters,
3 horse brushes,
1 horse card,
2 curry combs.

Tools and Equipments.

Farming.

1 three-horse plough,
1 two-horse plough,
2 single-shovel ploughs,
3 double ploughs,
4 cultivators,
2 hay carriages,
1 cultivator,
4 single trees,
2 pair double trees,
1 treble tree,
1 wheat drill,
1 horse rake,
1 wood carriage.

Gardening.

1 horse lawn mower,
3 hand lawn mowers,
1 hand roller,
275 feet rubber hose,
6 watering cans and buckets,
6 pruners, shears and saws,
9 spades and hoes,
23 forks and rakes,
2 garden lines and reels,
8 scythes and hooks,
3 force pumps,
8 fire irons,
4 ash buckets and sieves,
16 sundries, as per list on file.

Repair Shop.

Work bench and vice,
10 axes and hatchets,
4 saws,
1 brace and set of bits,
19 chisels, caulking tools, etc.,
2 pair pipe tongs,
4 files,
2 augers,
10 knives,
1 wire stretcher,
7 hammers and wrenches,
1 block and fall,
1 clock,
1 stove.

Miscellaneous.

17 picks and mattocks,
20 shovels,
2 iron bars,
9 rammers, mauls and wedges,
1 tape line,
2 grindstones,
3 corn baskets,
28 galvanized iron pans for closets,
2 pumps,
3 water buckets,
1 corn barrel,
1 half-bushel measure,
6 wheelbarrows,
1 set fire irons for furnace,
3 ash buckets and coal hod,
17 sundries, as per list on file.

Materials.

3½ barrels cement,
3 barrels plaster,
1 barrel lime,
15 gallon linseed oil,
10 drain well grates,
442 pieces T. C. pipe,
120 barrels corn,
25 tons hay,
20 tons rye straw,
1,500 bundles fodder.

Report of the Treasurer of Public Parks.

DRUID HILL PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$61,314 97
Carpentry	52 69
Sand and gravel	664 85
Roofing and spouting	60 50
Cement	1,047 38
Bricklaying	2,805 97
Coal	921 26
Lumber	1,131 76
Masonry	1,966 00
Electric lighting	8,683 63
Gas lighting	214 48
Horseshoeing	137 00
Harness and repairs	83 40
Blasting powder, etc.	46 00
Wagons, carts and repairs	667 63
Drain-pipe	296 04
Park machinery and repairs	178 91
Stove and iron work	203 61
Cart hire	1,247 25
Iron castings	446 56
Fertilizers	1,217 65
Office expenses	2,254 91
Brick, stone, etc.	3,807 92
Horse feed	1,738 81
Paints and painting	466 65
Uniforms	488 83
Food for show animals	1,268 85
Tools and hardware	660 56
Plumbing	1,145 23
Trees, shrubs and plants	671 98
Underground cable	175 04
Bear den	136 15
Shed and shelter	895 32
Rubber goods	8 50
Miscellaneous	956 40
	$98,362 69

PATTERSON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$29,471 06
Plumbing	188 41
Stove and iron work	42 00
Drain-pipe	83 46
Uniforms	255 26
Harness and repairs	5 00
Horse feed	136 07
Fertilizers	253 20
Masonry	194 18
Roofing and spouting	72 91
Stone, brick, etc	1,729 72
Electric lighting	2,200 66
Iron castings	66 63
Lumber	415 22
Paints and painting	255 65
Horseshoeing	34 25
Tools and hardware	214 89
Gas lighting	248 76
Trees, shrubs and plants	143 80
Coal	484 21
Office expenses	508 22
Cement	35 40
Entrance gateway	2,854 50
Park machinery repairs	7 44
Blasting powder	7 00
Miscellaneous	285 06
	$40,192 96

CLIFTON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$10,839 46
Tools and hardware	396 42
Blacksmith work	370 27
Cement	173 25
Blasting powder	25 00
Harness and repairs	30 40
Plants	390 78
Fertilizers	796 20
Roofing and spouting	584 10
Horse feed	93 55
Coal	234 56
Brick	308 63
Drain gates	90 29
Plumbing	467 36
Uniforms	75 96
Sprinkling cart	116 50
Mason work	188 00
Lumber	1,207 12
Stone	354 03
Drain-pipe	443 45
Park machinery and repairs	68 65
Paints and oils	397 74
Out-house	361 00
Stove work	9 45
Miscellaneous	103 92
	$18,126 09

CARROLL PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$11,978 08
Tools and hardware	123 58
Cement	309 95
Paving	282 66
Blacksmith work	195 51
Furnace and stove work	253 00
Horse feed	171 86
Wagon, cart and repairs	54 00
Uniforms	10 23
Crushed stone	533 03
Coal	166 00
Paints and oils	154 35
Filling material	1,533 50
Plumbing	39 45
Rubber goods	18 00
Fertilizers	256 25
Harness and repairs	46 40
Sod and soil	618 75
Trees and plants	261 63
Drain-pipe and grates	43 22
Horse	100 00
Brick	475 73
Flectric lighting	686 41
Park machinery and repairs	58 80
Flower pots	13 60
Lumber	617 70
Miscellaneous	24 90
	$19,026 59

RIVERSIDE PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$4,501 33
Tools and hardware	61 33
Plants	45 75
Coal	9 70
Sod and sand	29 55
Stone work	12 47
Lumber	164 81
Cart and repairs	102 98
Horse feed	83 86
Moving gas lamp	6 00
Horse-shoeing	18 25
Drain grates	30 72
Cleaning sink	43 75
Brick	63 00
Cement	30 10
Paving	140 10
Fertilizers	216 00
Drain-pipe	39 20
Paints and oils	60 96
Flag	15 00
Stove work	2 25
	$5,677 11

FEDERAL HILL PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$1,574 38
Tools and hardware	51 86
Sod and sand	6 15
Fertilizers	177 50
Electric-light poles	118 80
Paints and oils	75 21
Lumber	16 00
Cleaning sink	14 00
Gas lighting	12 25
Cement	25 85
Coal	4 85
Plants	6 00
Blacksmith work	3 25
	$2,086 10

COLLINGTON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$2,526 19
Drain-pipe	60 17
Grass seed	5 53
Brick	195 38
Drain gates	54 78
Top soil and sod	90 16
Lumber	41 62
Fertilizers	13 50
Coal	2 43
Trees	31 00
Cement	15 05
Plumbing	39 45
Tools and hardware	18 64
Oil	21
	$3,094 11

JOHNSTON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$1,767 47
Tools and hardware	30 45
Electric-light poles	27 75
Fertilizer	38 70
Plants	40 36
Paints, oils, etc	31 79
Lumber	5 08
Coal	5 05
Top soil	6 50
Wire work	18 25
Asphalt blocks	6 75
Cement	4 30
Drain-pipe	43
Mason work	16 45
Plumbing	22 00
Repairing flag	2 00
	$2,023 33

MT. ROYAL TERRACES.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1897.

Pay-roll	$1,342 96
Fertilizers	13 50
Plants	66 25
Tools and hardware	26 55
Paints and oils	21 27
Lumber	5 98
Cement	2 15
Iron work	103 33
Electric-light pole	6 35
Repairing mower	5 70
	$1,594 04

PATTERSON PARK EXTENSION.

YEAR ENDING DECEMBER 31, 1897.

Balance due Park Board, January 1, 1897	$101 18
Crushed stone	101 18

FIXED CHARGES ON THE PARK FUND.

Interest on Patterson Park Extension Loan	$8,000 00
" on Clifton Park Loan	25,287 50
Sinking fund for the redemption of Clifton Park Loan	12,453 28
Maintenance of public squares	27,500 00
	$73,240 78

GENERAL STATEMENT.

Year Ending December 31, 1897.

Receipts..

Balance due Park Board January 1, 1897	$3,453 60
Balances 1896, Commissioners of Squares	1,185 25
Baltimore City Passenger Railway Company	106,729 83
Baltimore Traction Company	61,316 72
City and Suburban Railway Company	41,541 89
Central Railway Company	15,866 13
Baltimore Consolidated Railway Company	37,585 90
Rentals, Druid Hill Park	750 00
Sales of sheep, Druid Hill Park	282 00
Sales of wood, Druid Hill Park	354 50
Sales of wool, Druid Hill Park	99 84
Privilege of fish propagation, Druid Hill Park	350 00
Sale of camel, Druid Hill Park	150 00
Boating privilege, Druid Hill Park	100 00
Sale of old material, Druid Hill Park	10 75
Swing privilege, Druid Hill Park	10 00
Fines, Druid Hill Park	293 00
Fines, Patterson Park	15 00
Rentals, Clifton Park	396 00
Sales of produce, Clifton Park	342 74
Sales of wood, Clifton Park	67 75
Fine, Carroll Park	5 00
Sale of old material, Carroll Park	4 10
Labor returned, Carroll Park	8 33
Rent of observatory, Federal Hill Park	150 00
Sale of old material, Riverside Park	3 50
Fines at squares	17 00
Balances 1897, Commissioners of Squares	745 98
	$271,834 81

GENERAL STATEMENT.

Year Ending December 31, 1897.

Disbursements.

Interest on Patterson Park extension and Clifton Park loans	$33,287 50
Sinking fund	12,453 28
Car-fare register inspection	4,167 10
Druid Hill Park	98,362 69
Patterson Park	40,192 96
Clifton Park	18,126 09
Carroll Park	19,026 59
Riverside Park	5,677 11
Federal Hill Park	2,086 10
Collington Park	3,094 11
Johnston Park	2,023 33
Mt. Royal Terraces	1,594 04
Ashland Square	100 00
Broadway Squares—first division	2,000 00
Broadway Squares—second division	1,500 00
Broadway Squares—third division	1,900 00
Eastern fountain	1,000 00
Eutaw Place Squares—first division	1,600 00
Eutaw Place Squares—second division	1,800 00
Franklin Square	1,200 00
Fulton Avenue Squares	2,000 00
Harlem Park	2,500 00
Jackson Squares	1,000 00
Lafayette Square	1,500 00
Madison Square	1,400 00
Mt. Royal Squares	1,000 00
Mt. Vernon Squares	1,500 00
Park Place Squares	750 00
Perkins Spring Square	1,200 00
Taney Place Squares	550 00
Union Square	1,000 00
Wilkens Avenue Squares	2,000 00
Balance due Park Board	4,243 91
	$271,831 81

Respectfully submitted.

D. Rayhice, *Treasurer.*

ANNUAL REPORT

—OF THE—

WATER DEPARTMENT

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31st, 1897.

CONTENTS.

PAGE.

REPORT OF BOARD OF WATER COMMISSIONERS 5
REPORT OF WATER REGISTRAR 11
Registrar's cash account for 1897 16
Registrar's disbursement account for 1897 17
Trial balance, general ledger, December 31, 1897 18
Balance sheet, general ledger, December 31, 1897 19
Statement of receipts and disbursements of department 21
New supplies for 1897 21
Abatements condensed for the year 1897 22
Comparative statement of receipts 1895, 1896 and 1897 23
Balances on ledgers December 31, 1897 23
Revenue from 1898 ledgers, January 1, 1898 23
REPORT OF CHIEF ENGINEER OF WATER BOARD 25
Reorganization 29
New system of accounts 30
Meter branch 31
Free-water movement 31
Table A—Water rates 33
Table B—Average per capita consumption of water in different cities 41
Per capita consumption and waste water prevention 43
Table C—Chemical analysis of samples of city water 45
Filtration 46
Probable future cost of water in Baltimore 48
Table D—Increase of consumption since 1883, etc 50
Table F—Increasing per capita consumption 51
Table G—Decrease and constant per capita consumption 51
Table H—Net taxable basis of city, expenditures, revenues, etc., from 1877 to 1897 54
Table I—Probable future revenues, etc., of Water Board 55
Table J—Probable necessary expenditures of city 55
Need of office facilities 57
Location of supply pipes 58
Contractor's plant 60
Standard pipe section 61
Metal coating on pipes 62
Location and amount of mains laid 62
Mechanical Division 63
County Division 66
Dredging Loch Raven 66
Suits in the County Division 67
Dredging at Lake Roland 68
Fertilizers for slopes 70
Roads and driveways 70
Inspection of Gunpowder conduit 70
Blow-off on lines connecting Hampden and Druid Lake 70
General 71
Supplementary water mains for fire protection 71

PAGE.
Report of Engineering Division for 1897... 81
Report of Superintendent of Construction for 1897... 85
Report of Superintendent of County Division for 1897... 99
Jones' Falls supply... 99
Hampden Reservoir... 100
Druid Lake... 100
Western High Service Reservoir... 101
Gunpowder supply... 101
Loch Raven... 101
Lake Montebello... 102
Lake Clifton... 102
Guilford Reservoir... 102
Mount Royal Reservoir... 103
Table of rainfall for 1897... 104

APPENDIX.

Appendix A—Length and cost of new mains in 1897 compared with 1896.
Appendix B—Cost of repairs to mains in 1897.
Appendix C—Cost of service connections in 1897.
Appendix D—Cost of metered supplies in 1897.
Appendix E—Cost of repairs to meters and service connections in 1897.
Appendix F—Cost of hydrants, fountains and valves inserted in 1897.
Appendix G—Cost of repairs to hydrants, fountains and valves in 1897.
Appendix H—Cost of miscellaneous work done in 1897.
Appendix J No. 1—Statement of receipts and disbursements in 1897.
Appendix J No. 2—Statement of receipts and disbursements continued.
Appendix J No. 3—Statement of receipts and disbursements continued.
Appendix J No. 4—Statement of receipts and disbursements concluded.
Appendix J No. 5—Expenses of auditing division.
Appendix K—Summary of receipts and disbursements in 1897.
Appendix L—Statement of expenditures for 1897.
Appendix M—Statement of work done in Gay street shops in 1897.
Appendix N—Comparative statement of pumping and duty of engines in 1896–97.
Appendix O—Main connections.
Appendix Q—Table of rainfall in 1897.

MAPS.

Map showing mains laid in 1897 and proposed extensions.
Map showing service areas as in 1896, extensions made in 1897, and proposed boundaries of service areas.

THE WATER BOARD OF BALTIMORE CITY,

DECEMBER 31, 1897.

HON. WM. T. MALSTER, MAYOR,
Ex-officio President.

WALTER B. SWINDELL, *Secretary.*

THOMAS J. HAYWARD,

LEOPOLD STROUSE,

SAM'L T. ADDISON,

WILLIAM H. ROTHROCK,

JOHN F. O'HARA.

OFFICERS OF THE WATER BOARD.

WATER REGISTRAR:

JAMES A. MARRIAN.

CHIEF ENGINEER:

N. S. HILL, JR.

REPORT.

BOARD OF WATER COMMISSIONERS—CITY HALL.

BALTIMORE, January 1, 1898.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In compliance with Article 54, Section 3, of the Baltimore City Code 1893, the Water Board has the honor of submitting for your consideration its report for the past year:

Amount of revenue received during the year and deposited with the City Register, including water tax, sales of 1945 stock and interest from bank on deposits		$1,489,290 87
Balance in hands of Water Registrar, December 31, 1896.		2,951 11
		$1,492,241 98
Disbursements paid by warrants approved by Board during the year, including $140,000 surplus paid to Commissioners of Finance	$1,398,458 34	
Paid Mayor and City Council, balance due December 31, 1896	80,710 21	
Temporary supply account transferred to Commissioners of Finance	437 96	
		$1,479,606 51
		$12,635 47
Amount due Water Board from extension of water supply account		31,385 61
Balance due Water Board December 31, 1897		$44,021 08
The revenue for the year from water rents and meter rents was		768,730 20
Less discount on 1897 water rents		15,303 33
		$753,426 87
The receipts from same sources in 1896 were		733,108 18
Showing an increase in water rents of		$20,318 69
The total net collections, including water rents, plumbing bills, water tax and sundry items for hay, ice, etc., from the various reservoirs was		$800,706 16
Collections from the same sources in 1896 amounted to.		782,658 77
Showing an increase of		$18,047 39

The collections made by the City Collector for this department for levy for water tax for 1894 and previous years only amount to $206.29. The revenue from this source in previous years, when the city paid for water consumed by the various departments and public buildings, markets, etc., amounted annually to between $50,000 and $60,000, for which the Water Department now receives no credit.

This department has also paid for the erection of all new fire plugs and drinking fountains during the year 1897 in the city out of its own revenue, the custom of the Mayor and City Council of making appropriations for these improvements, amounting to about $3,000 annually, having been discontinued since 1895.

The disbursements for the past year were as follows:

For distributing mains	$26,865 76
" fire-plugs and fountains	7,641 09
" tools and fixtures, returned money, etc	2,987 79
" extension of water supply	716,984 55
" working expenses	189,994 40
" Commissioners of Finance	140,000 00
" interest on $6,500,000 Water Stock and 1945 Loan	313,984 75
	$1,398,458 34

The disbursements for 1896 were $650,300.97.

The revenue added to the books during 1897 by the opening of new accounts, etc., amounts to $33,435.50 annually.

By reducing the discounts on the water bills to one-half of what was formerly allowed, the department has during the year increased its revenue $15,303.33, which was the amount of discount allowed on current year bills paid, as under the old rates the discount on the same amount of rents collected would have been double this amount, and to this increase should also be added what the department has saved by bills not being discounted which would have made the ten per cent. discount.

The city in this department has been divided into districts, and the property in each district is charged on the books by streets by the numerical system, instead of, as heretofore, to the owners; this will prevent errors arising in the transfer of property from one name to another, as each piece is known only by the number, and any omission of a number would show at once, and it is expected in

order to avoid the great rush to pay bills and secure the maximum discount which is allowed during the months of January and February, steps will be taken to have the bills due and payable on different dates during the year for different sections of the city.

The Board made an appropriation from its funds for the dredging of Lake Roland of about 841,500 cubic yards of sediment, and it was confidently expected that work would have commenced as soon as the contract was awarded.

Proposals were advertised for and the contract awarded to the Baltimore Dredging Company July 10 in the amount of their bid of $79,350, the work to be done in 500 days. The Circuit Court of Baltimore County granted an injunction, however, restraining the City of Baltimore and Water Board from commencing operations, and so this important improvement has been delayed for a time.

The dredging plant used by the Harbor and Inland Improvement Company in dredging Loch Raven in 1896 has been purchased by this Board, and it has been in operation during 1897 in continuing the dredging at that point. It is thought it will be necessary to continue the dredging every season in order to prevent the accumulation of large deposits heretofore existing in the lake.

In past years, where two or more adjoining pieces of property have had only one supply pipe connecting with the city's mains, this department has found it difficult to collect the full amount of revenue owing to the fact that in order to turn off water for nonpayment from property in arrears it would be necessary to cut off supply from persons who had paid their bills. This difficulty has been overcome to a large extent by requiring each piece of property heretofore on a joint pipe to have a supply direct from city main, thus securing a revenue which was in a measure uncollectible.

The Water Board has exempted a number of charitable institutions, such as Orphanages, Homes for the Aged, etc., from the payment of water rent, as in many cases they were dependent entirely upon voluntary contributions and aid from the city, and many requests were received by the Board to extend relief in the

direction of allowing them the use of water without charge for domestic purposes.

The discoveries made by the Inspectors of the department during the year amount to $18,138.00. In 1896 they amounted to $12,599.50, showing an increase of $5,538.50.

Of the $4,000,000.00 1945 Three-and-a-Half Per Cent. Loan issued by the city by Ordinance No. 137, approved October 5th, 1894, $2,000,000.00 is for the "extension and enlargement of the water supply of the City of Baltimore, and for laying additional water mains therein." Stock amounting to $698.000.00 has been sold out of this loan thus far, and the same applied to the purpose above named.

Of this amount $50,000.00 was expended for the purpose of purchasing a suitable lot for the erection thereon of a pumping station in accordance with plans of Sam'l M. Gray, Consulting Engineer, adopted by this Board. The site selected as best fitted for the building is on West North avenue and McMechen street. After laying the sub-foundations, which cost $24,194.70, the contract for the erection of the superstructure, designed by Henry Brauns, architect, was let, October 14th, to J. J. Walsh & Sons, in the amount of their bid, $167,927.00 for a structure of stone.

This improvement will be known as the Mt. Royal Pumping Station.

A large quantity of the pipe needed for the extension of the water supply, for which contract was awarded in 1896, has been delivered, and already a great deal of it has been laid, which has resulted in an increased supply in the district bounded by Wolfe, Pratt, Patterson Park avenue aud Oliver street, by being changed from the middle to the high service. The district bounded by St. Paul street, Mulberry street, Fremont avenue and Lombard street, from the low to the middle service, thereby increasing the pressure in this district, as well as in the district near or about Baltimore street, Charles street, Pratt street, Jones' Falls and Mulberry street. The Chief Engineer states that these improvements complete two of the most important changes to be made under the new extension of the water supply, leaving for the future changes from the

middle to the high in the northwestern section of the city, from the high to the upper in the same locality, and from the low to the middle about Federal Hill.

An increased supply has also been given the business portion of the city in the district bounded by St. Paul street on the east, Mulberry street on the north, Fremont avenue on the west, Lombard, German and Baltimore streets on the south by transferring it from the low service to the middle service supply.

Ground has been purchased at West Arlington, and contracts for the erection of a Steel Stand Pipe thereon have been let at $18,900 for the tower, and $7,670.00 for the Stand Pipe. This improvement, which is in connection with the extension of water supply, will furnish the residents of that locality with an abundant supply of water and aid in the development of that section of the city.

Contracts have been let for engines and boilers for the Mt. Royal Pumping Station, also for various changes and improvements in the system of pumping engines now in use, all of which are more fully referred to in the report of the Chief Engineer.

We regret to record that one of our fellow members of this Board, Mr. Bernard Gilpin, died May 7th of the past year. He was a man held in high esteem by the community generally, and we sincerely deplore his loss for his many amiable qualities and his wise counsel.

Mr. Sam'l T. Addison was appointed in the month of December by his Honor Mayor Malster, to fill the vacancy caused by the death of Mr. Gilpin.

The report of the Engineer herewith submitted explains generally the work which has been done towards the completion of the extension of the water supply of the year 1897.

It is shown that several important changes have been made in the service district which will tend to greatly increase the efficiency of the water supply in all the business portions of the city, and further, that there has been laid 265,000 feet of mains, or about seventy-five per cent. of the total amount of pipe to be laid under the new scheme for the extension of the water supply.

It is interesting to note also from the report of the Chief Engineer the improvements which have been made in the meter department, which was found to be in a very poor physical condition.

Respectfully,

WALTER B. SWINDELL, *Secretary.*
THOMAS J. HAYWARD,
SAM'L T. ADDISON,
WM. H. ROTHROCK,
JOHN F. O'HARA,
LEOPOLD STROUSE,
Water Commissioners.

WATER REGISTRAR'S REPORT.

WATER REGISTRAR'S OFFICE—CITY HALL,

BALTIMORE, December 31, 1897.

To the Honorable the President and Members of the Water Board:

GENTLEMEN: In compliance with Article 54, Section 3, of the Baltimore City Code of 1893, the Registrar has had prepared and submits the following statements, showing the receipts and disbursements of the Registrar's Department for the year 1897, and the sources from which the revenue was received.

The receipts for the year were as follows:

From 1897 water rents	$426,566 77
" 1896 "	153,329 99
" 1895 "	5,354 33
" 1894 "	1,983 20
" meter rents	181,495 91
	$768,730 20
Less discount on 1897 water rents	15,303 33
	$753,426 87
From interest on back water rents	3,060 72
" plumbing bills	39,357 19
" distributing mains	2,210 38
" Lake Montebello	177 20
" Loch Raven	219 95
" Lake Roland	1,033 91
" Eastern Pumping Station	102 89
" Lake Clifton	8 50
" pumps and fountains	1 25
" repairs	5 33
" fire plugs	1 50
" extension of water supply	378 51
" profit and loss	516 67
" water tax	206 29
" Mayor and City Council for 1945 stock sold	685,400 00
" bank, for interest on deposits	3,183 71
	$1,489,290 87

The disbursements for the year were as follows:

Paid Plumbing Department	$31,037 93
" repairs	19,052 61
" Lake Montebello	3,914 39
" current expenses	7,018 53
" Western Pumping Station	1,680 44
" Lake Roland	8,222 40
" salaries	42,535 67
" Hampden Reservoir	1,526 66
" Loch Raven	43,672 05
" Lake Clifton	2,724 86
" Druid Lake	2,006 10
" Mt. Royal Reservoir	906 31
" High-service Reservoir	265 65
" Jones' Falls Conduit	386 01
" Eastern Pumping Station	21,802 80
" Guilford Reservoir	823 77
" stationery and printing	2,418 22
Working expenses	$189,994 40
Paid distributing mains	$26,865 76
" fire plugs	6,532 16
" pumps and fountains	1,108 93
" tools and fixtures	2,029 00
" returned money	958 79
" extension of water supply	716,984 55
" interest on 5 Per Cent. and 4 Per Cent. Loans	310,000 00
" Commissioners of Finance	140,000 00
" interest on 1945 Loan	3,984 75
	$1,398,458 34

The following statements exhibit in detail the financial transactions of the department for the year 1897:

Statement A—Water Registrar's cash account.
" B—Water Registrar's disbursement account.
" C—Trial balance, general ledger.
" D—Balance sheet.
" E—Gross receipts.
" F—Total disbursements.
" G—New supplies and new revenue.
" H—Abatements.
" I—Comparative table of receipts for the years 1895, 1896 and 1897, exhibiting the variations during those years.
" K—Balances remaining on the books of the department, December 31, 1897.
" L—Revenue from ledgers of 1898 and estimated revenue.

This table exhibits the result in revenue taken for the first time from the new-system ledgers. A comparison with the table of last year cannot be fairly made on account of the many changes arising from the transfer from the old to the new, or block system, and the substitution of meters on property where special rents were charged and the abatement of property in Highlandtown, now supplied by a private water company. An annual revenue charged on ledgers during the year from new supplies and inspectors' discoveries amount to $33,435.50.

Respectfully submitted.

JAMES A. MARRIAN,
Water Registrar.

STATEMENTS.

STATEMENT A.

Water Registrar's Cash Account for the Year 1897.

	Dr.	*Cr.*
To balance on hand December 31, 1896	$ 2,951 11	
" water rent for 1897 $426,566 77		
Less discount 15,303 33	411,263 44	
To water rents for 1896	153,329 99	
" " " 1895	5,354 33	
" " " 1894	1,983 20	
" interest on back water rents	3,060 72	
" plumbing bills	39,357 19	
" meter rents	181,495 91	
" Lake Roland	1,033 91	
" Loch Raven	219 95	
" distributing mains	2,210 38	
" Lake Clifton	8 50	
" pumps and fountains	1 25	
" Eastern Pumping Station	102 89	
" Lake Montebello	177 20	
" profit and loss	516 67	
" extension of water supply	378 51	
" repairs	5 33	
" fire plugs	1 50	
" water tax	206 29	
" interest from deposits in bank	3,183 71	
" 1945 Three-and-a-half Per Cent. Water Stock sold	685,400 00	
By deposits with City Register:		
January		$118,148 97
February		199,514 45
March		68,668 90
April		84,626 00
May		61,018 24
June		33,629 57
July		66,150 18
August		17,545 40
September		19,673 29
October		65,408 64
November		20,315 94
December		48,752 40
Water tax deposited with City Register		206 29
Interest from deposits in bank		3,183 71
Sales of 1945 Three-and-a-half Per Cent. Water Stock		685,400 00
	$1,492,241 98	$1,492,241 98

STATEMENT B.

WATER REGISTRAR'S DISBURSEMENT ACCOUNT FOR THE YEAR 1897.

	Dr.	*Cr.*
To Water Board warrants drawn by the Water Board on the City Comptroller during the year	$1,398,458 34	
By Commissioners of Finance		$140,000 00
" distributing mains		26,865 76
" fire plugs		6,532 16
" pumps and fountains		1,108 93
" tools and fixtures		2,029 00
" Returned money		958 79
" plumbing department		31,037 93
" repairs		19,052 61
" Lake Montebello		3,914 39
" current expenses		7,018 53
" Western Pumping Station		1,680 44
" Lake Roland		8,222 40
" Engineer's Department		8,533 96
" Registrar's Department		34,001 71
" Hampden Reservoir		1,526 66
" Loch Raven		43,672 05
" Lake Clifton		2,724 86
" Druid Lake		2,006 10
" Mt. Royal Reservoir		906 31
" High Service Reservoir		265 65
" Jones Falls Conduit		386 01
" Eastern Pumping Station		21,802 80
" Guilford Reservoir		823 77
" stationery and printing		2,418 22
" interest		310,000 00
" extension of water supply		716,984 55
" interest on 1945 Loan		3,984 75
	$1,398,458 34	$1,398,458 34

STATEMENT C.—Trial Balance, General Ledger, December 31, 1897.

Folio.		*Dr.*
6	Construction of new work	$8,911,955 27
8	Real estate and water rights	771,718 87
10	Gunpowder and real estate	235,593 23
16	Commissioners of Finance	488,840 00
66	Mayor and City Council	12,635 57
154	Lake Clifton	2,716 36
160	Guilford Reservoir	823 77
176	Distributing main	2,968,215 50
194	Tools and fixtures	9,369 13
196	Water meters	6,000 00
201	Lake Montebello	3,737 19
216	Repairs	19,047 28
225	Druid Lake	2,006 10
228	High-service Reservoir	265 65
232	Hampden Reservoir	1,526 66
236	Mount Royal Reservoir	906 31
239	Printing and stationery	2,418 22
253	Current expenses	7,018 53
258	Engineer's Department	8,533 96
262	Registrar's Department	34,001 71
266	Returned money	958 79
275	Pumps and fountains	1,107 68
280	Loch Raven	43,452 10
292	Western Pumping Station	1,680 44
312	Eastern Pumping Station	21,699 91
315	Lake Roland	7,188 49
324	Fire-plugs	6,530 66
336	Jones Falls Conduit	386 01
391	Extension of water supply	729,385 61
418	Discount	15,303 33
		$14,345,022 33

Folio.		*Cr.*
1	City Five Per Cent. Water Stock	$5,000,000 00
1	City Four Per Cent. Water Stock	1,500,000 00
1	City Water stock redeemed	4,000,000 00
2	Profit and loss	2,363,728 34
7	City Three-and-one-half Per Cent. Water Stock	698,000 00
378	Plumbing Department	8,319 26
382	Interest from bank	3,183 71
459	Interest on water rent	3,060 72
501	Meter rents	181,495 91
635	1894 water rents	1,983 20
638	1895 " "	5,354 33
640	1896 " "	153,329 99
642	1897 " "	426,566 77
		$14,345,022 33

STATEMENT D.

BALANCE SHEET, GENERAL LEDGER, DECEMBER 31, 1897.

Folio.		*Dr.*	*Folio.*		*Cr.*
6	Construction of new work	$8,941,955 27	1	City Five Per Cent. Water Stock	$5,000,000 00
8	Real estate and water rights	771,718 87	1	City Four Per Cent. Water Stock	1,500,000 00
10	Gunpowder real estate and water rights	235,593 23	1	City Water Stock redeemed	4,000,000 00
16	Commissioners of Finance	488,840 00	7	City Three-a-half Per Cent. Water Stock	698,000 00
67	Mayor and City Council	12,635 47	2	Profit and loss	2,963,684 08
174	Distributing mains	2,968,215 50			
190	Tools and fixtures	7,340 13			
196	Water meters	6,000 00			
391	Extension of water supply	729,385 61			
		$14,161,684 08			$14,161,684 08

STATEMENT F.

DISBURSEMENTS OF THE WATER DEPARTMENT FOR THE YEAR 1897.

	January	February.	March	April.	May	June.	July.	August.	September.	October.	November.	December.	
Distributing mains	$3,676 16	$4,630 67	$3,827 70	$4,165 04	$2,992 81	$ 1,612 13	$ 2,034 74	$ 772 77	$ 725 39	$ 639 44	$ 1,037 66	$ 751 25	$ 26,865 76
Extension of water supply	1,772 13	2,483 41	1,974 25	65,497 00	35,321 87	55,876 84	94,389 43	67,804 35	97,221 86	105,168 00	85,254 53	101,220 88	716,984 55
Fire-plugs	1,242 50	950 22	464 16	1,464 12	468 88	250 21	240 56	366 48	252 83	283 96	210 26	337 98	6,532 16
Pumps and fountains	172 59	167 98	179 88	132 53	30 99	23 49	80 94	46 42	103 05	49 99	44 13	76 94	1,108 93
Tools and fixtures	26 93	154 86	81 99	64 54	33 10	333 84	90 96	301 90	168 36	244 62	150 31	77 59	2,029 00
Returned money	59 30	46 10	68 56	218 87	188 75	81 96	31 11	146 65	18 73	24 00	34 22	40 54	958 79
Plumbing Department	2,127 61	1,546 97	2,279 87	4,039 55	2,727 07	2,142 25	3,049 43	1,929 51	2,660 90	2,611 02	1,964 95	3,658 80	31,037 93
Repairs	1,512 02	1,501 16	1,688 46	1,673 73	1,461 54	883 71	1,491 22	1,617 19	1,124 17	1,720 63	1,427 08	2,951 70	19,052 61
Lake Montebello	197 91	186 04	168 19	204 15	529 01	285 00	427 18	649 74	366 81	371 71	231 36	297 26	3,914 39
Current expenses	781 31	491 55	891 13	1,009 41	935 59	396 74	421 85	453 13	177 60	388 34	581 66	481 22	7,018 53
Western Pumping Station	127 25	231 51	80 62	85 75	120 45	335 35	65 30	41 63	67 81	214 79	217 77	92 18	1,680 44
Lake Roland	218 32	118 06	98 57	286 71	242 29	481 06	5,337 11	262 80	346 69	332 44	263 16	235 19	8,222 40
Engineer's Department	283 32	679 14	889 26	1,059 98	818 32	758 32	814 07	664 91	641 66	641 66	641 66	641 66	8,533 96
Registrar's Department	2,546 62	2,986 63	2,835 52	2,843 29	5,484 93	371 66	2,424 96	2,424 96	2,424 96	2,421 96	2,424 96	4,808 26	34,001 71
Hampden Reservoir	23 14	24 14	178 33	174 56	102 00	104 74	381 18	113 91	116 91	157 84	96 76	52 85	1,526 66
Loch Raven	217 63	235 60	16,965 79	17,286 82	929 05	641 06	1,062 31	1,133 83	1,451 58	1,195 29	1,419 06	1,134 03	43,672 05
Lake Clifton	135 22	60 00	366 46	261 66	228 06	406 86	251 93	246 15	203 16	206 27	205 79	153 30	2,724 86
Druid Lake	202 90	261 68	143 97	67 96	161 00	199 44	109 90	169 29	236 31	198 59	163 77	91 29	2,006 10
Mount Royal Reservoir	50 25	100 01	134 15	40 00	59 43	79 09	40 95	83 51	74 34	87 26	94 86	62 46	906 31
High-service Reservoir	12 25	10 00	10 00	10 00	13 33	17 38		18 33	62 16	53 58	30 76	27 86	265 65
Jones Falls Conduit	10 00	10 00	10 00		29 00	10 00		70 90	136 68	28 91	41 80	38 72	386 01
Eastern Pumping Station	1,798 33	815 58	919 72	2,207 24	1,501 59	1,131 63	2,767 15	1,881 82	3,716 51	1,819 90	1,457 97	1,785 36	21,802 80
Guilford Reservoir	57 20	60 22	51 30	61 57	63 02	74 62	55 50	72 96	82 77	80 06	89 29	75 26	823 77
Stationery and printing	61 11	217 73	426 49	141 85	138 92	175 18	123 73	313 90	160 58	160 79	111 64	386 00	2,418 22
Profit and loss									3,984 75				3,984 75
Commissioners of Finance											140,000 00		140,000 00
	$20,615 30	$17,969 29	$31,737 37	$102,996 33	$54,581 00	$66,672 56	$115,691 81	$81,587 04	$116,826 60	$19,104 05	$238,195 41	$119,300 31	$1,088,458 34
Twelve months interest on $6,500,000.00 water stock													310,000 00
Total disbursements for the year													$1,398,458 34

STATEMENT E.

RECEIPTS OF THE WATER DEPARTMENT FOR THE YEAR 1897

	January	February	March.	April	May	June.	July	August.	September.	October.	November.	December.	
Water rents, 1897	$52,844 58	$191,760 50	$41,072 53	$16,065 10	$ 9,419 98	$11,532 87	$10,606 18	$9,997 91	$12,761 23	$10,527 60	$12,840 23	$41,138 06	$426,566 77
1896	23,109 18	13,801 82	21,403 27	24,140 93	11,089 03	16,582 91	8,838 58	1,461 09	906 82	661 88	572 09	762 09	153,329 99
1895	557 75	170 15	109 05	502 17	1,120 10	769 08	594 75	315 58	164 40	157 00	85 00	209 00	5,354 33
1894	180 83	79 00	77 00	139 00	327 12	205 67	152 43	200 00	252 85	72 00	103 00	194 00	1,983 20
Interest on back water rents	56 08	114 84	246 62	424 58	951 14	516 52	343 52	117 63	67 88	57 72	49 41	114 48	3,060 72
Plumbing bills	1,738 99	1,528 31	3,370 34	3,678 70	3,097 56	3,265 69	3,844 78	4,190 98	4,127 05	3,779 86	4,167 08	2,567 85	39,357 19
Meter rents	12,590 14	932 15	435 01	39,788 13	1,538 26	261 56	41,825 03	846 21	601 74	19,988 47	2,250 25	438 96	181,495 91
Lake Roland	85 31	172 46	154 23	109 63	23 06	69 84	35 15		56 30	56 46	81 33	190 11	1,033 91
Eastern Pumping Station	36 00	50			5 50	48 89				12 00			102 89
Distributing main	219 37	32 53	474 15	67 91	520 26	175 69	9 71	411 06	259 50	9 80	20 80	9 60	2,210 38
Loch Raven		1 00	22 40	19 00	50 13	54 42	10 00	10 00	18 00	17 00	9 00	9 00	219 95
Lake Montebello		17 20		14 00	3 00		5 00	8 00		36 00	7 00	87 00	177 20
Profit and loss			100 00						416 67				516 67
Extension water supply					1 67	55 00		91 12	14 95	28 10	125 42	32 25	378 51
Lake Clifton						5 00				3 50			8 50
Fire plugs						1 50							1 50
Pumps and fountains										1 25			1 25
Repairs											5 33		5 33
	$121,418 56	$208,910 46	$70,764 60	$84,919 15	$58,147 71	$33,514 61	$66,265 13	$17,649 58	$19,677 39	$65,108 64	$20,315 94	$48,752 40	$815,801 20
1945 Three-and-a-Half Per Cent. Stock sold												$685,400 00	
Water tax collected by City Collector												206 29	
Interest on deposits												3,183 71	
													688,790 00
													$1,504,594 20

STATEMENT G.

New Supplies for the Year 1897.

421	houses	at	$3 00	$1,263 00	
346	"	at	5 00	1,730 00	
710	"	at	6 00	4,260 00	
439	"	at	7 00	3,073 00	
56	"	at	8 00	448 00	
42	"	at	9 00	378 00	
64	"	at	10 00	640 00	
5	"	at	11 00	55 00	
63	"	at	12 00	756 00	
58	"	at	13 00	754 00	
1	"	at	14 00	14 00	
2,205					$13,371 00
4	warehouses	at	8 00	$32 00	
18	"	at	10 00	180 00	
					212 00
					$13,583 00
2	baths	at	$2 00	$4 00	
57	water closets	at	2 00	114 00	
3	urinals	at	1 50	4 50	
274	hose	at	3 00	822 00	
29	horses	at	1 50	43 50	
91	work horses	at	1 00	91 00	
24	carriages	at	1 50	36 00	
11	offices	at	4 00	44 00	
4	churches	at	5 00	20 00	
3	motors	at	15 00	45 00	
10	bars	at	5 00	50 00	
2	drugs	at	3 00	6 00	
2	gas engines	at	10 00	20 00	
1	trough	at	20 00	20 00	
1	laundry	at	10 00	10 00	
4	"	at	5 00	20 00	
1	oyster establishment	at	10 00	10 00	
1	" "	at	5 00	5 00	
1	foundry	at	17 50	17 50	
1	fish-house	at	5 00	5 00	
1	fountain	at	10 00	10 00	
3	schools	at	12 00	36 00	
1	special	at	5 00	5 00	
			Per H. P.		
1	5-horse power boiler	at	3 00	15 00	
1	8- " " "	at	3 00	24 00	
1	11- " " "	at	3 00	33 00	
1	16- " " "	at	3 00	48 00	
1	22- " " "	at	3 00	66 00	
1	30- " " "	at	3 00	90 00	
					$1,714 50
Producing a yearly revenue of					$15,297 50

STATEMENT H.

Abatements Condensed for Year 1897.

	1894.	1895.	1896.	1897.
Vacancies	$191 50	$609 11	$4,669 96	$2,153 09
Duplicates torn / Down and no water	269 17	446 50	1,221 36	5,268 16
Hose		3 00	146 66	953 33
Horses		4 50	10 50	96 50
Carriages		1 50	10 50	74 50
Bars		10 00	78 58	303 16
Reductions	4 00	14 00	99 50	249 57
Specials			69 50	920 66
	$464 67	$1,088 61	$6,306 56	$10,018 97

Total amount abatements for 1897, $17,878.81.

STATEMENT I.

COMPARATIVE STATEMENTS OF RECEIPTS FOR THE YEARS 1895, 1896 AND 1897.

1895.			1896.			1897.		
1895 water rents		$430,365 68	1896 water rents		$438,777 98	1897 water rents		$426,566 77
1894 "		136,343 35	1895 "		143,865 35	1896 "		153,329 99
1893 "		5,291 64	1894 "		6,338 62	1895 "		5,354 33
1892 "		1,346 17	1893 "		2,405 33	1894 "		1,983 20
Meter rents		168,974 46	Meter rents		178,179 41	Meter rents		181,495 91
		$742,321 30			$769,566 69			$768,730 20
Less discount on 1895 water rents		35,084 16	Less discount on 1896 water rents		36,458 51	Less discount on 1897 water rents		15,303 33
		$707,237 14			$733,108 18			$753,426 87
Interest on back water rents		2,730 74	Interest on back water rents		3,134 51	Interest on back water rents		3,060 72
Plumbing bills		44,335 27	Plumbing bills		40,155 28	Plumbing bills		39,357 19
Distributing mains		535 20	Distributing mains		1,262 40	Distributing mains		2,210 38
Lake Montebello		74 00	Lake Montebello		329 97	Lake Montebello		177 20
Loch Raven		335 50	Loch Raven		231 03	Loch Raven		219 95
Lake Roland		1,360 99	Lake Roland		905 27	Lake Roland		1,033 91
Eastern Pumping Station		151 81	Eastern Pumping Station		91 38	Eastern Pumping Station		102 89
Lake Clifton		42 91	Lake Clifton		30 00	Lake Clifton		8 50
Druid Lake		16 00	Druid Lake		20 50	Pumps and fountains		1 25
Western Pumping Station		17 80	Pumps and fountains		10 00	Repairs		5 33
Current expenses		13 37	Current expenses		112 95	Fire plugs		1 50
			Engineer's Department		3,083 30	Extension of water supply		378 51
			Profit and loss		3,559 82	Profit and loss		516 67
					$786,034 59			$800,500 87
Appropriations by Mayor and City Council.		2,600 00	Water tax	$3,267 30		Water tax	$206 29	
		$759,450 73	1945 Three-and-one-half Per Cent. Stock sold	12,600 00		1945 Three-and-a-half Per Cent. Stock sold	685,400 00	
Water tax		15,205 87	Interest on deposits	712 95	16,580 25	Interest on deposits	3,183 71	688,790 00
		$774,656 60			$802,614 84			$1,489 290 87

STATEMENT K.

Balances Remaining on the Ledgers, Water Department, December 31, 1897.

1897 water rents	$195,051 00
1896 " "	12,262 01
1895 " "	3,192 81
Plumbing bills	2,120 39
Meter rents	2,670 68
	$215,296 89

STATEMENT L.

Revenue from 1898 Ledgers, January 1, 1898.

25,550	houses	at $ 3 00	$76,650 00	
13,210	"	at 5 00	66,050 00	
18,547	"	at 6 00	111,282 00	
11,368	"	at 7 00	79,576 00	
7,384	"	at 8 00	59,072 00	
4,149	"	at 9 00	37,341 00	
3,514	"	at 10 00	35,140 00	
1,220	"	at 11 00	13,420 00	
4,020	"	at 12 00	48,240 00	
3,035	"	at 13 00	39,455 00	
91,997				$566,226 00
311	warehouses	at $ 6 00	$ 1,866 00	
560	"	at 8 00	4,480 00	
1,220	"	at 10 00	12,200 00	
2,091				18,546 00
9,227	hose	at $ 3 00	$27,681 00	
167	bar	at 3 00	501 00	
1,793	bar	at 5 00	8,965 00	
323	offices	at 4 00	1,292 00	
285	churches	at 5 00	1,425 00	
3,281	horses (work and carriage)		4,616 50	
1,453	carriages	at 1 50	2,179 50	
1,520	horse-power boilers	at 3 00	4,560 00	
				51,220 00
Miscellaneous rents, embracing motors, fountains, troughs, laundries pickling establishments, oyster establishments, etc.				17,379 13
Meters and indicators (estimated)				200,000 00
				$853,371 13

UNIV. OF MD COLLEGE PARK

3 1430 03841481 1

OCT 76

N. MANCHESTER, INDIANA